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Catch and Biological Data of Fish, in Particular Walleye, *Stizostedion vitreum* (Mitchill), from Lakes in the Heming Lake Study Area, Manitoba, 1977-1986

J.A. Babaluk, L.K. Gould and J.S. Campbell

Central and Arctic Region
Department of Fisheries and Oceans
Winnipeg, Manitoba
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by

J.A. Babaluk, L.K. Gould and J.S. Campbell

Central and Arctic Region
Department of Fisheries and Oceans
Winnipeg, Manitoba R3T 2N6

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ABSTRACT

Babaluk, J.A., L.K. Gould, and J.S. Campbell. 1991. Catch and biological data of fish, in particular walleye, *Stizostedion vitreum* (Mitchill), from lakes in the Heming Lake study area, Manitoba, 1977-1986. Can. Data Rep. Fish. Aquat. Sci. 855: vi + 109 p.

Selected characteristics of fish populations, in particular walleye, *Stizostedion vitreum* (Mitchill), collected during experimental gill netting programs on lakes in the Heming Lake study area, Manitoba during 1977-1986 are tabulated.

Key words: catch composition; cisco; *Coregonus artedii*; fecundity; gill nets; lake whitefish; *Coregonus clupeaformis*; northern pike; *Esox lucius*; walleye; *Stizostedion vitreum*; white sucker; *Catostomus commersoni*; yellow perch; *Perca flavescens*.

RÉSUMÉ

Babaluk, J.A., L.K. Gould, and J.S. Campbell. 1991. Catch and biological data of fish, in particular walleye, *Stizostedion vitreum* (Mitchill), from lakes in the Heming Lake study area, Manitoba, 1977-1986. Can. Data Rep. Fish. Aquat. Sci. 855: vi + 109 p.

On présente sous forme de tableaux les données sur des caractéristiques choisies de populations de poissons, en particulier du doré, *Stizostedion vitreum* (Mitchill), captures au cours de programmes de pêche expérimentale au filet maillant dans des lacs situés dans la zone d'étude du lac Heming, Manitoba, durant les années 1977 à 1986.

Mots-clés: composition des prises; cisco de lac; *Coregonus artedii*; fécondité; filets maillants; grand corégone; *Coregonus clupeaformis*; grand brochet; *Esox lucius*; doré; *Stizostedion vitreum*; meunier noir; *Catostomus commersoni*; perchaude; *Perca flavescens*.

INTRODUCTION

A study was initiated in 1977 at lakes in the Heming Lake, Manitoba area (54°53'N, 101°07'W) to distinguish the factors that control the population biology and productive capacity of walleye, *Stizostedion vitreum* (Mitchill), one of the most economically important freshwater fish species in Canada (Scott and Crossman 1973). As well, controlled, selective harvesting experiments were undertaken to determine the compensatory response and the resilience of walleye populations undergoing different levels of exploitation stress.

This report presents catch and biological data collected from pre-harvest, unexploited fish populations and data collected during and after harvesting experiments. Data are also presented for fish populations from control lakes.

MATERIALS AND METHODS

DESCRIPTION OF THE STUDY AREA

The Heming Lake study area is located in northwestern Manitoba approximately 50 km east-northeast of Flin Flon (Fig. 1). Fish populations, with emphasis on walleye, from the following six lakes were examined as part of the study: Wapun Lake (54°51'N, 101°12'W), Home Lake (54°54'N, 101°03'W), Demarch Lake (54°53'N, 101°03'W), Unger Lake (54°56'N, 101°02'W), Martin Lake (54°56'N, 101°01'W) and Quigly Lake (54°51'N, 101°04'W). Bathymetry, morphometry, limnology and physical and chemical characteristics of these lakes were presented by Lawler and Watson (1958) and Babaluk et al. (1980).

EXPERIMENTAL GILL NETTING

Preliminary data specifically describing population characteristics of walleye in the six lakes were collected by gill nets during 1977 and 1978. Based upon results from a mark/recapture experiment conducted during 1977 and 1978 walleye biomass was estimated for Wapun, Home and Demarch lakes. During 1979 and 1980, Wapun, Home, and Demarch lakes walleye were harvested by gill nets until approximately 50%, 25% and 10%, respectively, of the estimated walleye biomass was removed. In subsequent years, gill netting in these lakes was conducted to monitor the responses of walleye and other fish species. Subsequent gill netting in Unger, Martin and Quigly lakes was undertaken to note natural variation in population characteristics.

All gill netting was standardized. Gill nets consisted of standard gangs composed of 18.3 m lengths each of 51, 64, 76, 89, 102, and 108 mm stretched measure, multi-filament nylon mesh. Gangs were 1.8 m deep. Gill net set locations were arbitrary and set durations were approximately 24 h.

Dates for collection of fish from the lakes are shown in Table 1.

Scientific names of fish species caught from the lakes are according to Scott and Crossman (1973): walleye, *Stizostedion vitreum* (Mitchill); northern pike, *Esox lucius* Linnaeus; white sucker, *Catostomus commersoni* (Lacepede); yellow perch, *Perca flavescens* (Mitchill); lake whitefish, *Coregonus clupeaformis* (Mitchill); cisco, *Coregonus artedii* Lesueur and burbot, *Lota lota* (Linnaeus). Rainbow trout, *Oncorhynchus mykiss* (Walbaum), is named according to Kendall (1988).

BIOLOGICAL SAMPLING

All fish collected from gill nets were indentified to species, enumerated, measured (fork length to the nearest mm) and weighed (nearest 10 g). Sex was determined when practical. Opercula or dorsal spines were collected from walleye for age determinations as described by Campbell and Babaluk (1979).

Ovaries were removed from selected maturing or ripe walleye and placed in a 10% formalin solution or Gilson's solution. Fecundity was estimated by modifying the dry weight method of Healey and Nicol (1975). After removing as much as possible of the ovarian tissue from the egg mass, three subsamples of 2 000 maturing eggs were counted. The remaining mass of eggs and the subsamples were weighed (nearest 0.0001 g) after drying them in air to a constant weight. The mean subsample weight was calculated and total fecundity was calculated as the ratio of the total egg weight to mean subsample weight multiplied by 2 000 (number of eggs in each subsample).

DATA ANALYSIS

Data were analysed using a VAX 6 000-410 computer. The Statistical Analysis System (1990) was used to generate length, weight, sex and age summaries and to perform basic calculations and analysis.

Length-weight relationships were described by the following equation:

$$\text{Log}_{10}W = a + b(\log_{10} L)$$

where: W = weight in grams
L = fork length in millimeters
a = Y - intercept
b = slope of the regression line.

Relative condition factor (K) was calculated using the following formula:

$$K = \frac{W \times 10^{5}}{L^{3}}$$

Where: W = weight in grams
L = fork length in millimeters.

Where: W = weight in grams
L = fork length in millimeters.

DATA PRESENTATION

Fish species composition of lakes in the Heming Lake study area for 1977-1980 are presented in Table 2. The rainbow trout caught in Demarch Lake in 1977 was probably the result of escapement during cage-culture experiments with the species in Heming Lake during the early 1970's. Demarch Lake is connected to Heming Lake by way of Home Lake. (Fig. 1). Data for all lakes and species is presented only where the combined male and female n > 40. Length, weight and age data, where applicable, for fish from Wapun Lake are presented in Tables 3-24. Data from Home and Demarch lakes are presented in Tables 25-49 and 50-73, respectively. Unger, Martin and Quigly lakes data are presented in Tables 74-79, 80-86 and 87-100, respectively. Length-weight relationships for fish in all lakes are presented in Tables 101-118. Fecundity data from Wapun and Home lakes walleye are presented in Tables 119 and 120, respectively.

Other data from these lakes can be obtained by contacting:

J. Babaluk
Fisheries Research Biologist
Freshwater Institute Science Laboratory
501 University Crescent
Winnipeg, Manitoba
Canada, R3T 2N6

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REFERENCES

BABALUK, J.A., J.S. CAMPBELL, and K.D. ROWES. 1980. Morphometry of lakes and chemical analysis of water in the Heming Lake study area, Manitoba. Can. Manuscr. Rep. Fish. Aquat. Sci. 1575: iv + 21 p.

CAMPBELL, J.S., and J.A. BABALUK. 1979. Age determination of walleye, *Stizostedion vitreum vitreum* (Mitchill), based on the examination of eight different structures. Can. Fish. Mar. Serv. Tech. Rep. 849: iv + 23 p.

HEALEY, M.C., and C.W. NICOL. 1975. Fecundity comparisons for various stocks of lake whitefish, *Coregonus clupeaformis*. J. Fish. Res. Board Can. 32: 404-407.

KENDALL, R.L. 1988. Taxonomic changes in North American trout names. Trans. Am. Fish. Soc. 117: 321.

LAWLER, G.H., and N.H.F. WATSON. 1958. Limnological studies of Heming Lake, Manitoba, and two adjacent lakes. J. Fish. Res. Board Can. 15: 203-218.

SCOTT, W.B., and E.J. CROSSMAN. 1973 (1979). Freshwater fishes of Canada (revised printing). Bull. Fish. Res. Board Can. 184: 966 p.

STATISTICAL ANALYSIS SYSTEM INSTITUTE INCORPORATED. 1990. SAS user's guide: basics. 6th ed. Cary, NC, SAS Institute Inc. 1290 p.

Table 1. Dates for collection of fish, by gill nets, from lakes in the Heming Lake study area, Manitoba.

Lake	Year	Date
Wapun	1977	Aug. 19 - Sept. 1
	1979	June 7 - July 9
	1980	June 6 - July 10
	1981	June 23-25
	1982	Sept. 22-25
	1986	Aug. 8-10
Home	1977	June 23-28; Aug. 8-11
	1978	May 4-5; Aug. 22-24
	1979	July 17-28
	1980	July 16-30
	1981	July 19 - Aug. 4
	1982	Sept. 26-28
Demarch	1977	June 26 - July 11
	1978	June 18-20; Aug. 23-25
	1979	July 28-31
	1980	July 30 - Aug. 2
	1981	July 26 - Aug. 4
	1982	Sept. 24-28
Unger	1977	July 16-27
	1980	Aug. 12-16
	1986	Aug. 6-8
Martin	1977	Aug. 2-6
	1980	Aug. 19-21
Quigly	1978	July 24-27
	1980	Aug. 5-8
	1981	May 29-30; July 30-31; Sept. 14-17

Table 2. Fish species composition of lakes in the Heming Lake study area, 1977-1980. All fish caught in gill nets composed of panels of 51, 64, 76, 89 and 102 mm stretched mesh.

Lake	Year	Walleye		Northern Pike		White Sucker		Yellow Perch		Lake Whitefish		Cisco		Others		Totals	
		n	(%)	n	(%)	n	(%)	n	(%)	n	(%)	n	(%)	n	(%)	n	(%)
Wapun	1977[a]	123	(52.3)	52	(22.1)	58	(24.7)	2	(0.9)	-	-	-	-	-	-	235	(100.0)
	1979	1611	(35.7)	1184	(26.2)	1710	(37.9)	11	(0.2)	-	-	-	-	-	-	4516	(100.0)
	1980	1666	(37.8)	727	(16.5)	1966	(44.6)	46	(1.0)	-	-	-	-	2[b]	(0.1)	4407	(100.0)
Home	1977[a]	239	(52.8)	83	(18.3)	125	(27.6)	3	(0.7)	3	(0.7)	-	-	-	-	453	(100.0)
	1979	678	(41.1)	164	(10.0)	713	(43.3)	76	(4.6)	17	(1.0)	-	-	-	-	1648	(100.0)
	1980	389	(20.1)	406	(21.0)	978	(50.6)	110	(5.7)	50	(2.6)	-	-	-	-	1933	(100.0)
Demarch	1977[a]	167	(44.3)	51	(13.5)	72	(19.1)	1	(0.3)	83	(22.0)	2	(0.5)	1[c]	(0.3)	377	(100.0)
	1979	181	(42.8)	49	(11.6)	117	(27.7)	10	(2.4)	66	(15.6)	-	-	-	-	423	(100.0)
	1980	188	(41.6)	54	(12.0)	136	(30.1)	9	(2.0)	65	(14.4)	-	-	-	-	452	(100.0)
Unger	1977a	136	(69.7)	36	(18.5)	9	(4.6)	14	(7.2)	-	-	-	-	-	-	195	(100.0)
	1980	121	(64.0)	39	(20.6)	27	(14.3)	2	(1.1)	-	-	-	-	-	-	189	(100.0)
Martin	1977[a]	185	(53.9)	45	(13.1)	32	(9.3)	-	-	81	(23.6)	-	-	-	-	343	(100.0)
	1980	111	(51.4)	28	(13.0)	44	(20.4)	-	-	33	(15.3)	-	-	-	-	216	(100.0)
Quigly	1978[a]	203	(37.6)	37	(6.9)	185	(34.3)	1	(0.2)	104	(19.3)	10	(1.9)	-	-	540	(100.0)
	1980	120	(29.1)	27	(6.6)	116	(28.2)	8	(1.9)	94	(22.8)	47	(11.4)	-	-	412	(100.0)

a= unexploited lake; b= burbot; c= rainbow trout

Table 3. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Wapun Lake, 1977.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
220	.	.	.	.	.	.	1	225	1	110	.	0.97	1	225	1	110	.	0.97
240	1	249	1	155	.	1.00	1	240	1	140	.	1.01	2	245	2	148	11	1.01
290	.	.	.	.	.	.	1	296	1	265	.	1.02	1	296	1	265	.	1.02
300	.	.	.	.	.	.	1	303	1	285	.	1.02	1	303	1	285	.	1.02
310	1	319	1	340	.	1.05	1	317	1	320	.	1.00	2	318	2	330	14	1.03
320	.	.	.	.	.	.	1	325	1	375	.	1.09	1	325	1	375	.	1.09
330	.	.	.	.	.	.	1	335	1	365	.	0.97	1	335	1	365	.	0.97
340	2	347	2	438	11	1.05	1	346	1	460	.	1.11	3	347	3	445	15	1.07
350	2	354	2	488	67	1.10	3	355	3	457	18	1.02	5	354	5	469	40	1.05
360	2	366	2	518	53	1.06	1	363	1	495	.	1.03	3	365	3	510	40	1.05
370	3	375	3	568	8	1.08	1	377	1	575	.	1.07	4	375	4	570	7	1.08
380	2	387	2	625	0	1.08	5	384	5	599	35	1.06	7	385	7	606	31	1.06
390	5	395	5	660	29	1.07	5	394	5	616	40	1.01	10	394	10	638	40	1.04
400	9	405	9	751	39	1.13	4	403	4	688	45	1.05	13	404	13	732	50	1.11
410	7	415	7	766	59	1.07	5	415	5	752	18	1.05	12	415	12	760	46	1.07
420	8	422	8	805	41	1.07	8	426	8	788	23	1.02	16	424	16	797	34	1.04
430	7	434	7	881	44	1.08	4	438	4	835	50	1.00	11	435	11	865	50	1.05
440	4	444	4	931	6	1.07	4	444	4	954	51	1.09	8	444	8	943	36	1.08
450	3	457	3	1008	120	1.06	4	454	4	975	90	1.04	7	455	7	989	95	1.05
460	3	462	3	1105	100	1.12	4	464	4	1036	72	1.04	7	463	7	1066	85	1.07
470	.	.	.	.	.	.	4	476	4	1151	57	1.07	4	476	4	1151	57	1.07
500	.	.	.	.	.	.	1	500	1	1385	.	1.11	1	500	1	1385	.	1.11
520	.	.	.	.	.	.	1	524	1	1495	.	1.04	1	524	1	1495	.	1.04
540	.	.	.	.	.	.	1	548	1	1580	.	0.96	1	548	1	1580	.	0.96
TOTAL/MEAN	59	408	59	753	191	1.08	63	410	63	761	297	1.04	122	409	122	757	250	1.06

Table 4. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Wapun Lake, 1979.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
160	.	.	.	.	.	.	1	163	1	42	.	0.97	1	163	1	42	.	0.97
190	1	198	1	77	.	0.99	1	199	1	78	.	0.99	2	199	2	78	1	0.99
200	1	201	1	72	.	0.89	1	206	1	92	.	1.05	2	204	2	82	14	0.97
210	3	215	3	98	12	0.99	7	212	7	96	4	1.00	10	213	10	97	7	1.00
220	5	223	5	114	11	1.03	7	222	7	109	7	0.99	12	223	12	111	9	1.01
230	9	236	9	132	9	1.00	8	234	8	126	6	0.98	18	235	18	128	8	0.99
240	6	245	6	154	19	1.05	16	244	16	141	12	0.97	22	245	22	145	15	0.99
250	10	256	10	162	20	0.97	10	253	10	160	13	0.98	21	255	21	161	16	0.98
260	20	265	20	188	18	1.02	27	265	27	187	17	1.01	47	265	47	187	17	1.01
270	25	276	25	209	19	1.00	28	274	28	210	18	1.03	53	275	53	210	18	1.01
280	18	285	18	234	15	1.01	32	284	32	235	18	1.03	50	284	50	234	17	1.02
290	18	294	18	258	12	1.02	29	295	29	260	19	1.01	47	295	47	259	16	1.01
300	31	305	31	290	28	1.03	27	304	27	285	21	1.01	58	304	58	288	25	1.02
310	23	314	23	312	21	1.01	38	315	38	319	23	1.02	61	314	61	316	22	1.02
320	48	324	48	354	28	1.04	37	324	37	344	29	1.01	85	324	85	350	28	1.03
330	67	335	67	378	23	1.01	47	334	47	384	25	1.03	114	335	114	380	24	1.01
340	58	345	58	413	29	1.01	47	344	47	415	30	1.02	105	345	105	414	29	1.01
350	56	353	56	441	31	1.00	56	354	56	450	51	1.01	112	354	112	445	42	1.00
360	57	365	57	482	34	0.99	61	365	61	481	33	0.99	118	365	118	481	33	0.99
370	55	374	55	517	37	0.99	50	375	50	536	35	1.02	105	374	105	526	37	1.00
380	48	384	48	570	44	1.00	47	384	47	565	50	1.00	95	384	95	567	47	1.00
390	53	395	53	619	48	1.01	58	394	58	604	53	0.99	111	394	111	612	51	1.00
400	52	404	52	650	53	0.99	51	404	51	650	52	0.99	103	404	103	650	52	0.99
410	38	414	38	712	49	1.00	32	414	32	695	50	0.98	70	414	70	704	50	0.99
420	34	423	34	774	66	1.02	40	425	40	753	62	0.98	74	424	74	762	64	1.00
430	14	435	14	799	113	0.97	37	434	37	809	72	0.99	51	434	51	806	84	0.98
440	9	443	9	834	81	0.96	25	444	25	871	65	1.00	34	444	34	861	70	0.99
450	9	454	9	844	163	0.90	19	454	19	912	70	0.98	28	454	28	890	110	0.95
460	5	465	5	884	221	0.88	15	463	15	995	76	1.00	20	464	20	968	130	0.97
470	2	475	2	950	42	0.89	8	475	8	1064	98	1.00	10	475	10	1041	100	0.97
480	.	.	.	.	.	.	8	483	8	1141	90	1.01	8	483	8	1141	90	1.01
490	.	.	.	.	.	.	3	496	3	1300	26	1.07	3	496	3	1300	26	1.07
500	.	.	.	.	.	.	3	505	3	1288	43	1.00	3	505	3	1288	43	1.00
510	.	.	.	.	.	.	3	516	3	1503	135	1.09	3	516	3	1503	135	1.09
520	.	.	.	.	.	.	2	526	2	1650	184	1.14	2	526	2	1650	184	1.14
530	1	538	1	1690	.	1.09	.	.	.	.	.	.	1	538	1	1690	.	1.09
540	.	.	.	.	.	.	1	546	1	2045	.	1.26	1	546	1	2045	.	1.26
550	.	.	.	.	.	.	1	551	1	1880	.	1.12	1	551	1	1880	.	1.12
580	.	.	.	.	.	.	2	584	2	1945	488	0.98	2	584	2	1945	488	0.98
TOTAL/MEAN	776	355	776	473	194	1.00	885	361	885	515	273	1.00	1663	358	1663	495	240	1.00

Table 5. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Wapun Lake, 1980.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
110	.	.	.	.	.	.	.	.	.	.	.	.	2	115	2	12	3	0.79
120	.	.	.	.	.	.	.	.	.	.	.	.	2	125	2	13	1	0.64
130	1	136	1	21	.	0.83	2	137	2	18	3	0.70	7	135	7	17	3	0.67
140	4	146	4	28	3	0.90	.	.	.	.	.	.	5	145	5	27	3	0.87
150	2	155	2	32	3	0.86	2	156	2	31	3	0.82	4	155	4	32	2	0.84
170	2	176	2	55	5	1.00	2	176	2	54	1	1.00	4	176	4	54	3	1.00
180	.	.	.	.	.	.	1	186	1	70	.	1.09	1	186	1	70	.	1.09
190	3	193	3	68	2	0.95	1	192	1	70	.	0.99	4	193	4	69	2	0.96
200	3	201	3	83	9	1.02	2	208	2	93	7	1.03	5	204	5	87	9	1.02
210	3	216	3	114	23	1.12	4	214	4	109	9	1.11	7	215	7	111	15	1.12
220	7	225	7	126	34	1.10	3	224	3	127	21	1.13	10	225	10	126	29	1.11
230	8	236	8	136	13	1.03	11	235	11	139	12	1.07	19	236	19	138	12	1.05
240	7	244	7	157	11	1.08	8	244	8	159	19	1.09	15	244	15	158	15	1.09
250	26	255	26	181	24	1.09	12	255	12	179	12	1.08	38	255	38	180	21	1.09
260	64	265	64	211	45	1.13	53	265	53	202	15	1.08	117	265	117	207	35	1.11
270	78	275	78	227	17	1.09	83	275	83	223	16	1.07	161	275	161	225	17	1.08
280	85	284	85	254	24	1.11	76	285	76	249	16	1.08	161	284	161	252	21	1.09
290	77	294	77	280	30	1.10	85	295	85	281	23	1.10	162	294	162	281	26	1.10
300	90	304	90	317	24	1.13	81	304	81	315	34	1.12	171	304	171	316	29	1.12
310	75	314	75	348	25	1.13	85	314	85	346	35	1.12	160	314	160	347	31	1.12
320	68	324	68	380	23	1.12	76	324	76	384	26	1.13	145	324	145	382	24	1.13
330	50	334	50	416	26	1.12	32	335	32	418	25	1.11	82	334	82	417	26	1.12
340	40	344	40	452	30	1.11	35	345	35	456	28	1.11	75	344	75	454	29	1.11
350	36	353	36	493	50	1.11	33	355	33	490	31	1.10	69	354	69	491	42	1.11
360	39	365	39	545	43	1.12	26	365	26	524	48	1.08	65	365	65	537	46	1.11
370	34	374	34	567	75	1.08	16	376	16	583	47	1.10	50	375	50	572	67	1.09
380	24	384	24	619	46	1.10	26	384	26	627	80	1.11	50	384	50	623	65	1.10
390	11	395	11	690	46	1.12	15	393	15	662	46	1.09	26	394	26	674	47	1.10
400	12	405	12	726	37	1.10	14	404	14	737	68	1.12	26	404	26	732	55	1.11
410	7	414	7	774	45	1.09	12	414	12	789	68	1.11	19	414	19	784	59	1.11
420	5	426	5	852	24	1.10	3	427	3	833	15	1.07	8	427	8	845	22	1.09
430	2	430	2	825	7	1.04	7	436	7	896	50	1.08	9	435	9	880	54	1.07
440	.	.	.	.	.	.	3	446	3	897	32	1.01	3	446	3	897	32	1.01
450	1	456	1	930	.	0.98	1	452	1	880	.	0.95	2	454	2	905	35	0.97
460	1	461	1	1100	.	1.12	.	.	.	.	.	.	1	461	1	1100	.	1.12
470	.	.	.	.	.	.	1	475	1	1210	.	1.13	1	475	1	1210	.	1.13
500	.	.	.	.	.	.	1	500	1	1220	.	0.98	1	500	1	1220	.	0.98
510	.	.	.	.	.	.	1	512	1	1450	.	1.08	1	512	1	1450	.	1.08
TOTAL/MEAN	865	310	865	353	156	1.11	813	313	813	361	173	1.10	1688	311	1688	355	166	1.10

Table 6. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Wapun Lake, 1981.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
210	.	.	.	.	.	.	2	216	2	99	5	0.98	2	216	2	99	5	0.98
220	1	225	1	113	.	0.99	1	223	1	110	.	0.99	2	224	2	112	2	0.99
240	.	.	.	.	.	.	1	246	1	160	.	1.07	1	246	1	160	.	1.07
260	1	267	1	205	.	1.08	2	267	2	196	3	1.04	3	267	3	199	6	1.05
270	.	.	.	.	.	.	3	273	3	206	10	1.01	3	273	3	206	10	1.01
280	.	.	.	.	.	.	1	282	1	260	.	1.16	1	282	1	260	.	1.16
290	1	298	1	300	.	1.13	.	.	.	.	.	.	1	298	1	300	.	1.13
300	1	306	1	310	.	1.08	2	308	2	320	0	1.10	3	307	3	317	6	1.09
310	1	316	1	350	.	1.11	3	312	3	340	10	1.12	4	313	4	343	10	1.12
320	2	324	2	365	35	1.07	5	325	5	394	23	1.15	7	324	7	386	28	1.13
330	6	335	6	418	33	1.11	8	334	8	419	16	1.13	14	334	14	419	24	1.12
340	6	343	6	445	15	1.11	7	344	7	451	23	1.11	13	344	13	448	20	1.11
350	7	351	7	494	25	1.14	4	356	4	510	34	1.13	11	353	11	500	28	1.14
360	3	367	3	550	17	1.11	3	363	3	543	15	1.13	6	365	6	547	15	1.12
370	1	376	1	630	.	1.19	2	376	2	555	21	1.04	3	376	3	580	46	1.09
380	2	381	2	620	57	1.12	4	383	4	635	42	1.13	6	383	6	630	42	1.13
390	.	.	.	.	.	.	1	394	1	630	.	1.03	1	394	1	630	.	1.03
400	2	404	2	785	21	1.19	2	405	2	775	106	1.16	4	405	4	780	63	1.18
420	1	420	1	880	.	1.19	.	.	.	.	.	.	1	420	1	880	.	1.19
TOTAL/MEAN	35	344	35	475	152	1.12	51	329	51	419	162	1.10	86	335	86	442	159	1.11

Table 7. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Wapun Lake, 1982.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
180	1	188	1	65	.	0.98	.	.	.	.	.	.	1	188	1	65	.	0.98
230	1	239	1	141	.	1.03	1	231	1	120	.	0.97	2	235	2	131	15	1.00
240	.	.	.	.	.	.	2	246	2	136	6	0.92	2	246	2	136	6	0.92
250	1	251	1	160	.	1.01	.	.	.	.	.	.	1	251	1	160	.	1.01
290	1	291	1	240	.	0.97	.	.	.	.	.	.	1	291	1	240	.	0.97
300	.	.	.	.	.	.	3	307	3	283	6	0.98	3	307	3	283	6	0.98
310	2	316	2	320	14	1.02	.	.	.	.	.	.	2	316	2	320	14	1.02
320	.	.	.	.	.	.	2	326	2	345	7	1.00	2	326	2	345	7	1.00
330	4	335	4	398	15	1.06	3	338	3	400	10	1.04	7	336	7	399	12	1.05
340	.	.	.	.	.	.	2	346	2	415	21	1.01	2	346	2	415	21	1.01
350	1	351	1	460	.	1.06	2	354	2	465	35	1.05	3	353	3	463	25	1.06
360	2	363	2	515	7	1.08	.	.	.	.	.	.	2	363	2	515	7	1.08
380	2	386	2	655	35	1.14	1	380	1	540	.	0.98	3	384	3	617	71	1.09
390	9	395	9	671	28	1.09	.	.	.	.	.	.	9	395	9	671	28	1.09
400	4	405	4	720	76	1.08	.	.	.	.	.	.	4	405	4	720	76	1.08
410	5	413	5	780	48	1.10	2	417	2	775	21	1.07	7	414	7	779	41	1.09
420	1	425	1	920	.	1.20	6	423	6	848	55	1.12	7	423	7	859	57	1.13
430	1	430	1	810	.	1.02	2	432	2	915	21	1.14	3	431	3	880	62	1.10
440	.	.	.	.	.	.	2	444	2	905	35	1.04	2	444	2	905	35	1.04
450	.	.	.	.	.	.	2	452	2	1040	170	1.13	2	452	2	1040	170	1.13
460	.	.	.	.	.	.	2	466	2	1030	0	1.02	2	466	2	1030	0	1.02
480	.	.	.	.	.	.	1	483	1	1190	.	1.06	1	483	1	1190	.	1.06
TOTAL/MEAN	35	368	35	577	218	1.08	33	380	33	638	318	1.05	68	374	68	606	271	1.06

Table 8. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Wapun Lake, 1986.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
180	1	184	1	81	.	0.98	.	.	.	.	.	.	1	184	1	61	.	0.98
210	1	213	1	92	.	0.95	1	211	1	90	.	0.96	2	212	2	91	1	0.96
230	1	230	1	122	.	1.00	.	.	.	.	.	.	1	230	1	122	.	1.00
240	1	244	1	138	.	0.95	.	.	.	.	.	.	1	244	1	138	.	0.95
250	1	259	1	161	.	0.93	.	.	.	.	.	.	1	259	1	161	.	0.93
260	1	268	1	192	.	1.00	1	269	1	186	.	0.96	2	269	2	189	4	0.98
340	.	.	.	.	.	.	1	341	1	408	.	1.03	1	341	1	408	.	1.03
350	1	353	1	478	.	1.09	2	355	2	479	5	1.07	3	354	3	478	4	1.08
360	1	360	1	466	.	1.00	1	361	1	478	.	1.02	2	361	2	472	8	1.01
370	2	372	2	509	19	0.99	3	373	3	533	33	1.02	5	373	5	523	28	1.01
380	3	384	3	579	19	1.02	2	389	2	610	3	1.04	5	386	5	591	22	1.03
390	.	.	.	.	.	.	5	396	5	654	31	1.05	5	396	5	654	31	1.05
400	3	406	3	680	34	1.02	3	402	3	661	47	1.02	6	404	6	670	38	1.02
410	1	418	1	748	.	1.02	2	418	2	755	29	1.03	3	418	3	752	21	1.03
420	1	429	1	771	.	0.98	3	425	3	807	33	1.05	4	426	4	798	33	1.03
430	2	432	2	739	20	0.92	.	.	.	.	.	.	2	432	2	739	20	0.92
450	3	452	3	917	12	0.99	1	450	1	820	.	0.90	4	452	4	893	49	0.97
460	2	466	2	1012	6	1.00	.	.	.	.	.	.	2	466	2	1012	6	1.00
470	.	.	.	.	.	.	2	474	2	1030	81	0.97	2	474	2	1030	81	0.97
510	.	.	.	.	.	.	1	510	1	1446	.	1.09	1	510	1	1446	.	1.09
550	.	.	.	.	.	.	1	555	1	1965	.	1.15	1	555	1	1965	.	1.15
TOTAL/MEAN	25	369	25	571	298	0.99	29	398	29	704	350	1.03	54	385	54	642	331	1.01

Table 9. Length and weight data, by age, for walleye caught by gill nets in Wapun Lake, 1977.

AGE (years)	MALES							FEMALES							COMBINED						
	LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)			
	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K
2	.	.	.	.	.	.	.	1	225	.	1	110	.	0.97	1	225	.	1	110	.	0.97
4	1	319	.	1	340	.	1.05	2	307	15	2	293	39	1.01	3	311	13	3	308	39	1.02
5	2	348	4	2	443	4	1.05	5	355	15	5	462	76	1.02	7	353	13	7	456	62	1.03
6	.	.	.	.	.	.	.	2	373	13	2	553	81	1.06	2	373	13	2	553	81	1.06
7	3	372	2	3	563	10	1.10	4	404	17	4	686	89	1.04	7	390	21	7	634	91	1.06
8	.	.	.	.	.	.	.	2	408	21	2	690	92	1.02	2	408	21	2	690	92	1.02
9	4	409	9	4	723	84	1.06	2	407	30	2	698	124	1.04	6	408	15	6	714	86	1.05
10	2	439	5	2	873	95	1.03	4	432	9	4	818	62	1.01	6	434	8	6	836	70	1.02
11	10	421	17	10	810	100	1.08	7	443	20	7	911	158	1.04	17	430	21	17	851	133	1.06
12	3	426	20	3	830	105	1.07	2	462	9	2	1028	32	1.05	5	440	25	5	909	132	1.06
13	4	433	20	4	900	219	1.10	1	479	.	1	1105	.	1.01	5	442	27	5	941	211	1.08
14	3	454	9	3	945	84	1.01	.	.	.	.	.	.	.	3	454	9	3	945	84	1.01
15	.	.	.	.	.	.	.	2	514	49	2	1368	301	1.01	2	514	49	2	1368	301	1.01
16	1	458	.	1	1080	.	1.12	.	.	.	.	.	.	.	1	458	.	1	1080	.	1.12
TOTAL/MEAN	33	415	35	33	777	189	1.07	34	408	61	34	740	297	1.03	67	411	50	67	759	249	1.05

Table 10. Length and weight data, by age, for walleye caught by gill nets in Wapun Lake, 1979.

AGE (years)	MALES							FEMALES							COMBINED						
	LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)			
	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K
3	.	.	.	.	.	.	.	4	214	5	4	99	8	1.00	4	214	5	4	99	8	1.00
4	2	284	2	2	230	13	1.01	8	251	15	8	157	32	0.98	10	257	19	10	172	42	0.99
5	12	305	17	12	295	50	1.04	14	293	19	14	254	55	0.99	26	299	19	26	273	56	1.01
6	18	336	11	18	393	37	1.04	23	339	26	23	400	86	1.01	41	337	21	41	397	68	1.02
7	8	351	16	8	445	48	1.03	13	371	24	13	519	87	1.01	21	363	23	21	491	82	1.02
8	6	377	12	6	527	30	0.99	10	383	17	10	558	100	0.99	16	380	15	16	546	81	0.99
9	6	371	11	6	511	58	0.99	5	415	16	5	704	74	0.98	11	391	26	11	599	119	0.99
10	2	377	21	2	590	99	1.10	2	389	26	2	600	113	1.02	4	383	21	4	595	87	1.06
11	2	382	9	2	545	64	0.98	1	412	.	1	660	.	0.94	3	392	19	3	583	80	0.97
12	4	400	7	4	640	29	1.00	5	430	20	5	794	68	1.00	9	417	22	9	726	96	1.00
13	9	417	7	9	752	94	1.04	9	439	23	9	860	167	1.01	18	428	20	18	806	142	1.02
14	3	415	13	3	722	152	1.00	.	.	.	.	.	.	.	3	415	13	3	722	152	1.00
16	.	.	.	.	.	.	.	1	436	.	1	860	.	1.04	1	436	.	1	860	.	1.04
17	.	.	.	.	.	.	.	1	475	.	1	1060	.	0.99	1	475	.	1	1060	.	0.99
18	1	538	.	1	1690	.	1.09	1	525	.	1	1520	.	1.05	2	532	9	2	1605	120	1.07
19	2	462	8	2	970	99	0.98	1	584	.	1	2290	.	1.15	3	503	71	3	1410	765	1.04
20	.	.	.	.	.	.	.	1	518	.	1	1500	.	1.08	1	518	.	1	1500	.	1.08
TOTAL/MEAN	82	368	51	82	537	236	1.02	100	358	73	100	521	335	1.00	182	362	64	182	528	294	1.01

Table 11. Length and weight data, by age, for walleye caught by gill nets in Wapun Lake, 1980.

AGE (years)	MALES							FEMALES							COMBINED						
	LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)			
	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K
1	3	146	11	3	28	7	0.88	2	147	16	2	25	12	0.74	5	146	11	5	26	8	0.83
2	5	196	16	5	74	19	0.97	1	178	.	1	55	.	0.98	6	193	16	6	71	19	0.97
3	3	239	17	3	151	44	1.08	4	245	5	4	156	18	1.06	7	242	10	7	154	28	1.07
4	36	274	14	36	227	52	1.09	31	278	12	31	236	40	1.09	67	276	13	67	231	47	1.09
5	44	304	14	44	317	51	1.12	36	310	15	36	327	55	1.09	80	307	15	80	321	52	1.11
6	23	339	17	23	430	67	1.10	23	344	17	23	453	65	1.11	46	341	17	46	442	66	1.10
7	6	352	11	6	497	39	1.14	11	370	19	11	585	90	1.15	17	364	19	17	554	86	1.14
8	.	.	.	.	.	.	.	5	384	14	5	600	41	1.06	5	384	14	5	600	41	1.06
9	7	378	9	7	614	84	1.14	4	402	25	4	720	136	1.11	11	387	20	11	655	115	1.13
10	3	393	6	3	695	30	1.15	2	417	29	2	745	205	1.02	5	402	20	5	715	108	1.09
11	2	398	4	2	720	42	1.14	2	425	21	2	830	85	1.08	4	411	20	4	775	84	1.11
13	1	409	.	1	710	.	1.04	1	409	.	1	700	.	1.02	2	409	0	2	705	7	1.03
14	2	406	1	2	765	64	1.14	.	.	.	.	.	.	.	2	406	1	2	765	64	1.14
18	1	429	.	1	830	.	1.05	1	500	.	1	1220	.	0.98	2	465	50	2	1025	276	1.01
TOTAL/MEAN	136	306	52	136	344	169	1.10	123	320	54	123	387	193	1.09	259	312	54	259	365	182	1.09

Table 12. Length and weight data, by age, for walleye caught by gill nets in Wapun Lake, 1981.

AGE (years)	MALES							FEMALES							COMBINED						
	LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)			
	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K
2	.	.	.	.	.	.	.	1	217	.	1	102	.	1.00	1	217	.	1	102	.	1.00
3	1	267	.	1	205	.	1.08	3	271	3	3	205	12	1.03	4	270	3	4	205	9	1.04
4	1	306	.	1	310	.	1.08	3	309	2	3	330	10	1.11	4	309	2	4	325	13	1.11
5	9	329	15	9	390	53	1.09	11	341	13	11	450	53	1.13	20	336	15	20	423	60	1.11
6	8	358	13	8	519	70	1.13	4	377	21	4	588	100	1.09	12	364	18	12	542	84	1.11
8	.	.	.	.	.	.	.	1	409	.	1	850	.	1.24	1	409	.	1	850	.	1.24
10	1	380	.	1	580	.	1.06	.	.	.	.	.	.	.	1	380	.	1	580	.	1.06
TOTAL/MEAN	20	339	28	20	438	108	1.10	23	332	45	23	429	169	1.11	43	335	38	43	433	142	1.11

Table 13. Length and weight data, by age, for walleye caught by gill nets in Wapun Lake, 1986.

AGE (years)	MALES							FEMALES							COMBINED						
	LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)			
	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K
2	2	199	21	2	77	22	0.97	1	211	.	1	90	.	0.96	3	203	16	3	81	17	0.96
3	4	250	17	4	153	30	0.97	.	.	.	.	.	.	.	4	250	17	4	153	30	0.97
4	.	.	.	.	.	.	.	1	269	.	1	186	.	0.96	1	269	.	1	186	.	0.96
5	1	353	.	1	478	.	1.09	1	353	.	1	482	.	1.10	2	353	0	2	480	3	1.09
6	1	371	.	1	522	.	1.02	4	358	13	4	473	50	1.03	5	360	13	5	482	48	1.03
7	5	377	11	5	539	56	1.00	12	400	16	12	674	88	1.05	17	394	18	17	635	100	1.03
8	4	414	13	4	708	53	1.00	4	398	17	4	644	90	1.02	8	406	16	8	676	77	1.01
9	.	.	.	.	.	.	.	1	427	.	1	804	.	1.03	1	427	.	1	804	.	1.03
10	2	443	13	2	817	129	0.94	2	474	1	2	1030	81	0.97	4	459	19	4	923	151	0.95
11	6	446	23	6	891	126	1.00	3	505	53	3	1410	573	1.05	9	465	44	9	1064	399	1.02
TOTAL/MEAN	25	369	85	25	571	298	0.99	29	398	65	29	704	350	1.03	54	385	76	54	642	331	1.01

Table 14. Length and weight data, by 10mm fork length intervals, for northern pike caught by gill nets in Wapun Lake, 1977.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
420	.	.	.	.	.	.	.	.	.	.	.	.	1	428	1	540	.	0.69
440	1	441	1	585	.	0.68	.	.	.	.	.	.	1	441	1	585	.	0.68
450	.	.	.	.	.	.	1	459	1	615	.	0.64	4	458	4	665	41	0.69
460	.	.	.	.	.	.	.	.	.	.	.	.	3	465	3	652	35	0.65
470	.	.	.	.	.	.	1	477	1	720	.	0.66	1	477	1	720	.	0.66
480	.	.	.	.	.	.	1	484	1	815	.	0.72	2	484	2	790	35	0.70
490	1	498	1	845	.	0.68	1	495	1	845	.	0.70	3	496	3	827	32	0.68
500	.	.	.	.	.	.	.	.	.	.	.	.	4	505	4	846	80	0.66
510	2	514	2	955	49	0.71	.	.	.	.	.	.	2	514	2	955	49	0.71
520	.	.	.	.	.	.	1	527	1	1055	.	0.72	4	525	4	1034	61	0.72
530	.	.	.	.	.	.	.	.	.	.	.	.	2	535	2	1023	166	0.67
540	1	549	1	1130	.	0.68	.	.	.	.	.	.	4	545	4	1149	51	0.71
550	.	.	.	.	.	.	.	.	.	.	.	.	1	555	1	1145	.	0.67
560	1	561	1	1120	.	0.63	.	.	.	.	.	.	4	565	4	1179	76	0.66
570	.	.	.	.	.	.	.	.	.	.	.	.	1	570	1	1505	.	0.81
580	.	.	.	.	.	.	.	.	.	.	.	.	2	585	2	1413	88	0.71
590	.	.	.	.	.	.	1	591	1	1355	.	0.66	4	591	4	1394	63	0.68
610	.	.	.	.	.	.	.	.	.	.	.	.	1	612	1	1635	.	0.71
670	.	.	.	.	.	.	.	.	.	.	.	.	1	673	1	2650	.	0.87
680	.	.	.	.	.	.	.	.	.	.	.	.	1	687	1	2315	.	0.71
690	.	.	.	.	.	.	.	.	.	.	.	.	1	699	1	2205	.	0.65
720	.	.	.	.	.	.	1	725	1	2890	.	0.76	1	725	1	2890	.	0.76
740	.	.	.	.	.	.	.	.	.	.	.	.	1	743	1	2450	.	0.60
770	.	.	.	.	.	.	.	.	.	.	.	.	1	774	1	4180	.	0.90
800	1	805	1	4800	.	0.92	.	.	.	.	.	.	1	805	1	4800	.	0.92
840	.	.	.	.	.	.	.	.	.	.	.	.	1	841	1	5150	.	0.87
TOTAL/MEAN	7	554	7	1484	1474	0.72	7	537	7	1185	790	0.69	52	556	52	1358	992	0.70

Table 15. Length and weight data, by 10mm fork length intervals, for northern pike caught by gill nets in Wapun Lake, 1979.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
250	.	.	.	.	.	.	.	.	.	.	.	.	1	250	1	97	.	0.62
270	.	.	.	.	.	.	1	278	1	170	.	0.79	1	278	1	170	.	0.79
280	2	282	2	170	0	0.76	1	287	1	180	.	0.76	3	284	3	173	6	0.76
290	6	297	6	180	11	0.69	4	293	4	175	19	0.69	10	296	10	178	14	0.69
300	5	303	5	235	69	0.85	1	300	1	180	.	0.67	6	303	6	226	65	0.82
310	12	314	12	212	18	0.68	4	316	4	223	5	0.71	16	315	16	214	16	0.69
320	14	325	14	244	21	0.71	7	324	7	221	46	0.65	21	325	21	236	32	0.69
330	22	335	22	259	25	0.69	9	334	9	254	21	0.68	32	335	32	258	23	0.69
340	16	346	16	305	36	0.74	8	343	8	315	108	0.78	24	345	24	308	67	0.75
350	21	354	21	315	22	0.71	23	354	23	322	24	0.72	44	354	44	319	23	0.72
360	13	366	13	394	104	0.81	13	365	13	341	30	0.70	26	365	26	367	79	0.75
370	15	374	15	373	24	0.71	9	374	9	381	26	0.73	24	374	24	376	24	0.72
380	11	385	11	422	38	0.74	10	386	10	451	103	0.79	21	385	21	436	76	0.76
390	27	394	27	449	98	0.73	7	394	7	428	27	0.70	34	394	34	444	89	0.73
400	26	403	26	509	146	0.78	10	406	10	586	215	0.88	36	404	36	531	168	0.80
410	29	414	29	531	126	0.75	14	414	14	560	124	0.79	43	414	43	540	125	0.76
420	38	425	38	565	47	0.74	11	424	11	537	38	0.70	49	425	49	559	46	0.73
430	40	435	40	581	64	0.71	8	434	8	699	249	0.85	48	435	48	601	121	0.73
440	34	444	34	629	77	0.72	17	444	17	662	146	0.76	51	444	51	640	104	0.73
450	33	455	33	693	61	0.74	24	455	24	650	58	0.69	57	455	57	675	63	0.72
460	33	464	33	725	70	0.72	23	465	23	715	62	0.71	56	465	56	721	66	0.72
470	32	474	32	765	52	0.72	15	474	15	793	186	0.74	47	474	47	774	112	0.73
480	37	484	37	819	73	0.72	22	485	22	781	65	0.69	59	485	59	805	72	0.71
490	32	494	32	814	86	0.67	25	494	25	802	109	0.67	57	494	57	809	96	0.67
500	27	505	27	897	66	0.70	18	505	18	847	65	0.66	45	505	45	877	69	0.68
510	39	514	39	927	70	0.68	22	514	22	880	117	0.65	61	514	61	910	92	0.67
520	39	524	39	973	102	0.68	30	524	30	973	114	0.68	69	524	69	973	106	0.68
530	23	534	23	985	120	0.65	21	535	21	989	94	0.65	44	534	44	987	107	0.65
540	19	545	19	1079	107	0.67	23	545	23	1072	148	0.66	42	545	42	1075	130	0.67
550	12	555	12	1131	106	0.66	23	553	23	1125	106	0.67	35	554	35	1127	104	0.66
560	11	564	11	1233	139	0.69	16	564	16	1137	147	0.63	27	564	27	1176	149	0.65
570	12	575	12	1203	157	0.63	14	574	14	1166	190	0.62	26	574	26	1183	173	0.62
580	13	584	13	1289	135	0.65	15	583	15	1289	193	0.65	28	583	28	1289	165	0.65
590	8	596	8	1408	173	0.66	7	594	7	1376	81	0.66	15	595	15	1393	134	0.66
600	1	607	1	1470	.	0.66	7	604	7	1368	159	0.62	8	605	8	1381	152	0.62
610	1	614	1	1480	.	0.64	2	614	2	1555	78	0.67	3	614	3	1530	70	0.66
620	2	625	2	2085	346	0.85	5	623	5	1440	244	0.60	7	624	7	1624	398	0.67
630	2	634	2	1680	368	0.66	6	633	6	1845	388	0.73	8	633	8	1804	365	0.71
640	1	643	1	1880	.	0.71	1	645	1	1600	.	0.60	2	644	2	1740	198	0.65
650	5	652	5	1640	584	0.59	1	650	1	2230	.	0.81	6	652	6	1738	575	0.63
660	.	.	.	.	.	.	1	660	1	2760	.	0.96	1	660	1	2760	.	0.96
670	2	670	2	2290	438	0.76	1	675	1	2290	.	0.74	3	672	3	2290	310	0.76
680	.	.	.	.	.	.	3	682	3	2467	357	0.78	3	682	3	2467	357	0.78

Table 15. continued

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
690	.	.	.	.	.	.	1	698	1	2660	.	0.78	1	698	1	2660	.	0.78
700	.	.	.	.	.	.	2	702	2	2380	311	0.69	2	702	2	2380	311	0.69
720	.	.	.	.	.	.	1	727	1	3100	.	0.81	1	727	1	3100	.	0.81
730	.	.	.	.	.	.	2	733	2	3080	113	0.78	2	733	2	3080	113	0.78
740	.	.	.	.	.	.	2	745	2	3145	262	0.76	2	745	2	3145	262	0.76
760	.	.	.	.	.	.	1	764	1	3320	.	0.74	1	764	1	3320	.	0.74
780	.	.	.	.	.	.	1	783	1	3800	.	0.79	1	783	1	3800	.	0.79
800	1	800	1	4260	.	0.83	1	803	1	4860	.	0.94	2	802	2	4560	424	0.89
840	.	.	.	.	.	.	1	848	1	4700	.	0.77	1	848	1	4700	.	0.77
860	1	864	1	6860	.	1.06	1	868	1	5360	.	0.82	2	866	2	6110	1061	0.94
900	.	.	.	.	.	.	1	906	1	5400	.	0.73	1	906	1	5400	.	0.73
1050	.	.	.	.	.	.	1	1050	1	7290	.	0.63	1	1050	1	7290	.	0.63
TOTAL/MEAN	717	457	717	729	427	0.71	497	489	497	910	693	0.70	1216	470	1216	802	559	0.70

Table 16. Length and weight data, by 10mm fork length intervals, for northern pike caught by gill nets in Wapun Lake, 1980.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
260	2	269	2	163	11	0.84	.	.	.	.	.	.	2	269	2	163	11	0.84
270	2	275	2	145	7	0.70	3	274	3	160	10	0.77	5	275	5	154	11	0.74
280	2	285	2	165	7	0.72	3	282	3	170	20	0.76	5	283	5	168	15	0.74
290	5	296	5	208	54	0.80	2	295	2	185	7	0.72	7	296	7	201	45	0.78
300	1	303	1	200	.	0.72	5	304	5	206	9	0.73	6	304	6	205	8	0.73
310	4	317	4	223	10	0.70	.	.	.	.	.	.	4	317	4	223	10	0.70
320	13	325	13	248	16	0.72	5	323	5	266	71	0.79	18	324	18	253	38	0.74
330	9	333	9	262	22	0.71	1	336	1	270	.	0.71	10	333	10	263	21	0.71
340	18	345	18	307	26	0.75	6	343	6	280	13	0.69	24	344	24	300	26	0.74
350	20	354	20	324	30	0.73	7	355	7	330	22	0.74	27	354	27	326	28	0.73
360	24	365	24	354	23	0.73	8	365	8	349	18	0.72	32	365	32	353	22	0.73
370	36	374	36	388	23	0.74	10	375	10	379	32	0.72	46	374	46	386	25	0.73
380	32	384	32	417	81	0.74	10	384	10	392	16	0.69	42	384	42	411	72	0.72
390	33	394	33	434	32	0.71	11	394	11	430	33	0.70	44	394	44	433	32	0.71
400	24	405	24	517	93	0.78	16	404	16	476	57	0.72	40	405	40	500	82	0.76
410	35	414	35	512	33	0.72	10	414	10	492	47	0.69	45	414	45	507	37	0.71
420	30	424	30	562	47	0.74	13	425	13	533	34	0.69	43	424	43	553	45	0.72
430	36	435	36	580	37	0.71	7	435	7	569	35	0.69	43	435	43	578	37	0.70
440	22	444	22	611	42	0.70	26	444	26	612	37	0.70	48	444	48	611	39	0.70
450	23	454	23	640	46	0.68	10	455	10	635	42	0.68	33	454	33	638	44	0.68
460	24	463	24	687	62	0.69	8	464	8	720	54	0.72	32	463	32	695	61	0.70
470	14	475	14	770	91	0.72	6	475	6	737	46	0.69	20	475	20	760	80	0.71
480	14	485	14	805	55	0.71	8	486	8	799	86	0.70	22	485	22	803	66	0.70
490	19	495	19	820	115	0.67	4	496	4	818	54	0.67	23	496	23	820	106	0.67
500	6	504	6	970	102	0.76	3	504	3	873	12	0.68	9	504	9	938	94	0.73
510	11	515	11	944	63	0.69	3	516	3	930	17	0.68	14	515	14	941	56	0.69
520	3	522	3	1017	21	0.72	5	525	5	904	137	0.62	8	524	8	946	119	0.66
530	12	534	12	1103	103	0.72	2	531	2	1060	113	0.71	14	534	14	1096	101	0.72
540	9	543	9	1194	135	0.75	4	546	4	1095	52	0.67	13	543	13	1164	123	0.72
550	9	554	9	1217	70	0.72	2	553	2	1245	21	0.74	11	554	11	1222	64	0.72
560	4	566	4	1330	144	0.73	2	564	2	1205	233	0.67	6	565	6	1288	166	0.71
570	3	572	3	1443	108	0.77	2	575	2	1345	49	0.71	5	573	5	1404	97	0.75
580	6	583	6	1495	65	0.75	2	584	2	1405	49	0.71	8	583	8	1473	72	0.74
590	1	592	1	1600	.	0.77	.	.	.	.	.	.	1	592	1	1600	.	0.77
610	1	618	1	1520	.	0.64	2	617	2	1615	78	0.69	3	617	3	1583	78	0.67
620	.	.	.	.	.	.	3	623	3	1857	156	0.77	3	623	3	1857	156	0.77
630	.	.	.	.	.	.	4	635	4	1833	222	0.71	4	635	4	1833	222	0.71
640	.	.	.	.	.	.	4	645	4	2038	298	0.76	4	645	4	2038	298	0.76
650	.	.	.	.	.	.	1	658	1	2200	.	0.77	1	658	1	2200	.	0.77
660	1	665	1	1219	.	0.41	1	667	1	2350	.	0.79	2	666	2	1785	800	0.60
710	.	.	.	.	.	.	1	718	1	3560	.	0.96	1	718	1	3560	.	0.96
720	.	.	.	.	.	.	1	727	1	1940	.	0.50	1	727	1	1940	.	0.50
730	1	732	1	2880	.	0.73	1	732	1	3370	.	0.86	2	732	2	3125	346	0.80

Table 16. continued

LENGTH INTERVAL (mm)	MALES LENGTH (mm) N	MEAN	WEIGHT (g) N	MEAN	SD	K	FEMALES LENGTH (mm) N	MEAN	WEIGHT (g) N	MEAN	SD	K	COMBINED LENGTH (mm) N	MEAN	WEIGHT (g) N	MEAN	SD	K
740	.	.	.	.	.	.	1	745	1	2660	.	0.64	1	745	1	2660	.	0.64
760	.	.	.	.	.	.	1	769	1	3550	.	0.78	1	769	1	3550	.	0.78
790	.	.	.	.	.	.	1	798	1	4230	.	0.83	1	798	1	4230	.	0.83
810	.	.	.	.	.	.	1	817	1	4620	.	0.85	1	817	1	4620	.	0.85
840	.	.	.	.	.	.	1	841	1	5050	.	0.85	1	841	1	5050	.	0.85
940	.	.	.	.	.	.	1	943	1	6420	.	0.77	1	943	1	6420	.	0.77
TOTAL/MEAN	509	425	509	592	303	0.72	228	451	228	789	805	0.71	737	433	737	653	521	0.72

Table 17. Length and weight data, by 10mm fork length intervals, for northern pike caught by gill nets in Wapun Lake, 1981.

LENGTH INTERVAL (mm)	MALES LENGTH (mm) N	MEAN	WEIGHT (g) N	MEAN	SD	K	FEMALES LENGTH (mm) N	MEAN	WEIGHT (g) N	MEAN	SD	K	COMBINED LENGTH (mm) N	MEAN	WEIGHT (g) N	MEAN	SD	K
330	1	332	1	280	.	0.77	.	.	.	.	.	.	1	332	1	280	.	0.77
360	1	365	1	340	.	0.70	1	365	1	340	.	0.70	2	365	2	340	0	0.70
370	.	.	.	.	.	.	1	378	1	410	.	0.76	1	378	1	410	.	0.76
380	3	386	3	440	26	0.77	2	385	2	445	21	0.78	5	385	5	442	22	0.77
390	1	395	1	540	.	0.88	2	397	2	500	42	0.80	3	396	3	513	38	0.82
400	2	403	2	535	35	0.82	.	.	.	.	.	.	2	403	2	535	35	0.82
410	2	416	2	590	14	0.82	2	414	2	520	14	0.74	4	415	4	555	42	0.78
420	1	423	1	520	.	0.69	2	425	2	590	42	0.77	3	424	3	567	50	0.74
430	3	435	3	607	12	0.74	4	435	4	610	14	0.74	7	435	7	609	12	0.74
440	4	445	4	678	35	0.77	4	446	4	670	32	0.75	8	445	8	674	31	0.76
450	2	458	2	800	71	0.84	3	453	3	763	81	0.82	5	455	5	778	70	0.83
460	2	465	2	805	64	0.80	2	465	2	790	57	0.79	4	465	4	798	50	0.80
470	3	476	3	830	53	0.77	2	476	2	775	49	0.72	5	476	5	808	54	0.75
480	.	.	.	.	.	.	1	482	1	930	.	0.83	1	482	1	930	.	0.83
500	2	507	2	975	49	0.75	2	505	2	880	14	0.69	4	506	4	928	62	0.72
510	1	512	1	1130	.	0.84	1	515	1	1000	.	0.73	2	514	2	1065	92	0.79
520	2	523	2	955	7	0.67	.	.	.	.	.	.	2	523	2	955	7	0.67
530	.	.	.	.	.	.	1	531	1	950	.	0.63	1	531	1	950	.	0.63
540	1	547	1	1330	.	0.81	2	546	2	1225	290	0.75	3	546	3	1260	214	0.77
550	1	553	1	1350	.	0.80	.	.	.	.	.	.	1	553	1	1350	.	0.80
560	1	560	1	1280	.	0.73	.	.	.	.	.	.	1	560	1	1280	.	0.73
580	.	.	.	.	.	.	1	582	1	1330	.	0.67	1	582	1	1330	.	0.67
640	.	.	.	.	.	.	1	647	1	2140	.	0.79	1	647	1	2140	.	0.79
TOTAL/MEAN	33	451	33	740	271	0.77	34	459	34	764	342	0.75	67	455	67	752	307	0.76

Table 18. Length and weight data, by 10mm fork length intervals, for northern pike caught by gill nets in Wapun Lake, 1982.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
420	1	426	1	520	.	0.67	.	.	.	.	.	.	1	426	1	520	.	0.67
430	1	436	1	550	.	0.66	.	.	.	.	.	.	1	436	1	550	.	0.66
460	1	467	1	750	.	0.74	1	462	1	560	.	0.57	2	465	2	655	134	0.65
470	1	471	1	730	.	0.70	.	.	.	.	.	.	1	471	1	730	.	0.70
480	6	484	6	800	77	0.71	.	.	.	.	.	.	6	484	6	800	77	0.71
490	2	492	2	890	71	0.75	.	.	.	.	.	.	2	492	2	890	71	0.75
500	1	507	1	940	.	0.72	.	.	.	.	.	.	1	507	1	940	.	0.72
510	5	515	5	950	17	0.70	2	514	2	915	49	0.68	7	514	7	940	30	0.69
520	5	524	5	1056	63	0.74	.	.	.	.	.	.	5	524	5	1056	63	0.74
530	2	534	2	1120	14	0.74	2	536	2	970	113	0.63	4	535	4	1045	109	0.68
540	3	545	3	1147	72	0.71	.	.	.	.	.	.	3	545	3	1147	72	0.71
550	2	554	2	1310	113	0.77	1	558	1	1290	.	0.74	3	555	3	1303	81	0.76
560	2	568	2	1335	49	0.73	2	566	2	1270	127	0.70	4	567	4	1303	87	0.71
570	1	570	1	1410	.	0.76	.	.	.	.	.	.	1	570	1	1410	.	0.76
580	1	580	1	1350	.	0.69	.	.	.	.	.	.	1	580	1	1350	.	0.69
590	.	.	.	.	.	.	4	594	4	1450	54	0.69	4	594	4	1450	54	0.69
600	1	609	1	1790	.	0.79	2	606	2	1630	42	0.73	3	607	3	1683	97	0.75
610	1	614	1	1790	.	0.77	1	617	1	1920	.	0.82	2	616	2	1855	92	0.80
620	.	.	.	.	.	.	1	623	1	1950	.	0.81	1	623	1	1950	.	0.81
650	.	.	.	.	.	.	1	657	1	2020	.	0.71	1	657	1	2020	.	0.71
660	2	669	2	2285	177	0.76	1	664	1	2000	.	0.68	3	667	3	2190	207	0.74
670	1	677	1	2290	.	0.74	1	673	1	2880	.	0.94	2	675	2	2585	417	0.84
690	1	698	1	2650	.	0.78	.	.	.	.	.	.	1	698	1	2650	.	0.78
700	.	.	.	.	.	.	1	706	1	2650	.	0.75	1	706	1	2650	.	0.75
720	.	.	.	.	.	.	1	724	1	3020	.	0.80	1	724	1	3020	.	0.80
740	.	.	.	.	.	.	1	746	1	3480	.	0.84	1	746	1	3480	.	0.84
760	.	.	.	.	.	.	1	765	1	4160	.	0.93	1	765	1	4160	.	0.93
800	.	.	.	.	.	.	1	800	1	3960	.	0.77	1	800	1	3960	.	0.77
TOTAL/MEAN	40	535	40	1173	494	0.73	24	617	24	1886	984	0.73	64	566	64	1440	791	0.73

Table 19. Length and weight data, by 10mm fork length intervals, for white sucker caught by gill nets in Wapun Lake, 1977.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
250	.	.	.	.	.	.	.	.	.	.	.	.	1	256	1	250	.	1.49
290	.	.	.	.	.	.	.	.	.	.	.	.	1	293	1	405	.	1.61
320	.	.	.	.	.	.	.	.	.	.	.	.	1	321	1	505	.	1.53
330	1	338	1	550	.	1.42	.	.	.	.	.	.	1	338	1	550	.	1.42
340	.	.	.	.	.	.	.	.	.	.	.	.	2	348	2	640	21	1.53
350	.	.	.	.	.	.	.	.	.	.	.	.	2	350	2	665	28	1.47
360	.	.	.	.	.	.	.	.	.	.	.	.	4	367	4	773	43	1.57
370	.	.	.	.	.	.	.	.	.	.	.	.	2	375	2	823	88	1.56
380	.	.	.	.	.	.	.	.	.	.	.	.	5	383	5	868	51	1.55
390	.	.	.	.	.	.	1	392	1	920	.	1.53	6	394	6	912	93	1.49
400	1	403	1	1060	.	1.62	.	.	.	.	.	.	10	404	10	1040	64	1.57
410	.	.	.	.	.	.	2	411	2	1020	14	1.47	6	413	6	1038	67	1.47
420	.	.	.	.	.	.	1	429	1	1110	.	1.41	7	423	7	1169	81	1.55
430	.	.	.	.	.	.	2	433	2	1220	0	1.50	2	433	2	1220	0	1.50
440	.	.	.	.	.	.	1	447	1	1355	.	1.52	3	444	3	1418	123	1.62
450	.	.	.	.	.	.	.	.	.	.	.	.	1	452	1	1345	.	1.46
460	.	.	.	.	.	.	.	.	.	.	.	.	3	462	3	1515	13	1.54
480	.	.	.	.	.	.	.	.	.	.	.	.	1	482	1	1715	.	1.53
TOTAL/MEAN	2	371	2	805	361	1.52	7	422	7	1124	150	1.49	58	398	58	999	288	1.53

Table 20. Length and weight data, by 10mm fork length intervals, for white sucker caught by gill nets in Wapun Lake, 1979.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
190	1	193	1	100	.	1.39	1	198	1	100	.	1.29	5	195	5	94	19	1.26
200	3	207	3	107	6	1.20	4	205	4	118	21	1.36	12	205	12	111	16	1.28
210	3	212	3	123	6	1.29	4	215	4	133	15	1.34	10	214	10	126	12	1.29
220	10	225	10	152	18	1.34	2	225	2	145	7	1.28	17	225	17	155	16	1.37
230	6	234	6	181	12	1.41	11	235	11	181	14	1.39	17	235	17	181	13	1.40
240	21	245	21	225	37	1.53	12	245	12	215	19	1.46	36	245	36	220	31	1.49
250	21	254	21	230	21	1.41	25	255	25	235	18	1.41	49	255	49	232	20	1.40
260	34	264	34	260	18	1.41	36	265	36	262	18	1.41	72	260	72	260	19	1.41
270	33	273	33	291	24	1.42	34	273	34	297	28	1.46	71	273	71	295	25	1.44
280	28	284	28	330	32	1.45	30	285	30	333	21	1.43	59	284	59	331	27	1.44
290	18	294	18	374	28	1.47	23	294	23	369	27	1.45	42	294	42	371	27	1.46
300	32	305	32	416	26	1.47	39	304	39	410	32	1.46	72	305	72	413	29	1.46
310	39	314	39	459	50	1.48	51	315	51	464	34	1.49	90	315	90	462	42	1.49
320	39	324	39	497	34	1.46	49	324	49	504	38	1.48	88	324	88	501	36	1.47
330	56	334	56	537	55	1.44	60	334	60	552	39	1.48	116	334	116	545	48	1.46
340	67	345	67	593	44	1.45	51	345	51	608	35	1.47	118	345	118	599	41	1.46
350	76	354	76	631	39	1.43	60	355	60	656	90	1.47	137	354	137	642	67	1.44
360	63	364	63	674	50	1.40	73	364	73	692	63	1.44	136	364	136	684	58	1.42
370	36	373	36	720	42	1.38	62	374	62	750	54	1.44	98	374	98	739	52	1.42
380	55	384	55	807	87	1.42	61	385	61	770	107	1.36	116	384	116	788	99	1.39
390	56	395	56	872	61	1.42	57	395	57	855	48	1.39	113	395	113	864	55	1.41
400	54	404	54	945	62	1.44	41	403	41	945	74	1.44	95	404	95	945	67	1.44
410	38	414	38	1015	65	1.43	53	414	53	1011	76	1.42	91	414	91	1013	71	1.42
420	21	424	21	1075	53	1.41	62	425	62	1111	72	1.45	83	424	83	1102	69	1.44
430	8	432	8	1011	210	1.26	67	434	67	1151	86	1.41	75	434	75	1136	112	1.39
440	3	443	3	1117	74	1.29	75	444	75	1227	96	1.40	78	444	78	1223	98	1.39
450	1	457	1	1300	.	1.36	39	454	39	1309	87	1.40	40	454	40	1309	86	1.40
460	1	468	1	1480	.	1.44	29	464	29	1411	91	1.42	30	464	30	1413	90	1.42
470	.	.	.	.	.	.	6	473	6	1442	83	1.36	6	473	6	1442	83	1.36
480	.	.	.	.	.	.	5	482	5	1564	90	1.40	5	482	5	1564	90	1.40
490	.	.	.	.	.	.	1	491	1	1450	.	1.22	1	491	1	1450	.	1.22
TOTAL/MEAN	823	343	823	612	256	1.43	1123	366	1123	758	348	1.43	1978	354	1978	688	324	1.43

Table 21. Length and weight data, by 10mm fork length intervals, for white sucker caught by gill nets in Wapun Lake, 1980.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
.	.	.	.	.	.	.	.	.	1	321	.	.	.	.	1	321	.	.
180	1	183	1	100	.	1.63	.	.	.	.	.	.	1	183	1	100	.	1.63
190	1	196	1	110	.	1.46	1	194	1	92	.	1.26	2	195	2	101	13	1.36
200	1	202	1	140	.	1.70	.	.	.	.	.	.	1	202	1	140	.	1.70
210	12	216	12	146	14	1.46	9	216	9	151	20	1.50	21	216	21	148	16	1.47
220	21	225	21	166	37	1.46	22	225	22	174	13	1.52	43	225	43	170	27	1.49
230	34	235	34	192	14	1.48	28	235	28	202	16	1.56	63	235	63	196	16	1.52
240	45	245	45	223	16	1.51	52	245	52	222	22	1.51	97	245	97	223	19	1.51
250	59	255	59	252	19	1.52	37	255	37	261	81	1.58	96	255	96	255	52	1.54
260	46	264	46	285	20	1.55	31	264	31	277	18	1.51	77	264	77	282	19	1.53
270	30	274	30	312	24	1.52	20	274	20	308	16	1.50	50	274	50	310	21	1.51
280	25	284	25	351	26	1.53	18	285	18	357	29	1.55	43	284	43	353	27	1.54
290	26	295	26	390	29	1.53	29	295	29	411	109	1.61	55	295	55	401	81	1.57
300	30	304	30	448	111	1.59	39	304	39	450	87	1.60	69	304	69	449	97	1.59
310	44	315	44	488	31	1.57	42	314	42	478	30	1.54	86	314	86	483	31	1.55
320	56	324	56	520	43	1.53	35	324	35	530	32	1.56	91	324	91	524	39	1.54
330	68	333	68	563	46	1.52	48	334	48	580	39	1.55	116	334	116	570	44	1.53
340	74	345	74	620	44	1.52	46	345	46	650	111	1.59	120	345	120	632	78	1.54
350	102	355	102	665	65	1.49	69	354	69	691	43	1.55	171	355	171	675	58	1.52
360	77	364	77	716	61	1.48	63	364	63	746	48	1.55	140	364	140	730	58	1.51
370	65	374	65	779	52	1.49	86	375	86	792	56	1.51	151	374	151	786	54	1.50
380	58	384	58	832	54	1.47	70	384	70	835	63	1.48	128	384	127	834	59	1.47
390	43	395	43	878	127	1.43	54	395	54	918	53	1.49	97	395	97	900	95	1.47
400	53	405	53	978	81	1.48	48	404	48	979	63	1.49	101	404	101	979	73	1.48
410	32	413	32	1025	100	1.45	44	414	44	1030	60	1.45	76	414	76	1028	79	1.45
420	22	424	22	1083	122	1.42	50	425	50	1091	137	1.42	72	425	72	1089	132	1.42
430	13	434	13	1127	190	1.38	49	435	49	1195	75	1.45	62	435	62	1181	111	1.43
440	1	443	1	1250	.	1.44	56	445	56	1280	102	1.46	57	445	57	1279	101	1.46
450	.	.	.	.	.	.	30	454	30	1328	141	1.42	30	454	30	1328	141	1.42
460	.	.	.	.	.	.	16	464	16	1422	121	1.42	16	464	16	1422	121	1.42
470	.	.	.	.	.	.	6	473	6	1502	118	1.42	6	473	6	1502	118	1.42
480	.	.	.	.	.	.	3	482	3	1690	130	1.51	3	482	3	1690	130	1.51
TOTAL/MEAN	1039	331	1039	588	267	1.50	1101	354	1102	730	354	1.51	2141	343	2141	661	323	1.51

Table 22. Length and weight data, by 10mm fork length intervals, for white sucker caught by gill nets in Wapun Lake, 1981.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
190	1	195	1	100	.	1.35	.	.	.	.	.	.	1	195	1	100	.	1.35
210	1	219	1	140	.	1.33	4	215	4	165	52	1.66	5	215	5	160	46	1.59
220	2	222	2	160	14	1.47	.	.	.	.	.	.	2	222	2	160	14	1.47
230	2	235	2	180	14	1.39	5	234	5	186	13	1.45	7	234	7	184	13	1.43
240	2	245	2	195	21	1.33	4	247	4	235	30	1.57	6	246	6	222	33	1.49
250	2	255	2	250	14	1.52	1	253	1	250	.	1.54	3	254	3	250	10	1.53
260	2	266	2	295	35	1.57	2	267	2	290	57	1.52	4	266	4	293	39	1.55
270	2	276	2	335	64	1.59	1	276	1	350	.	1.66	3	276	3	340	46	1.62
280	3	285	3	393	32	1.69	3	285	3	373	49	1.61	6	285	6	383	39	1.65
290	6	295	6	397	20	1.55	4	297	4	403	10	1.54	10	296	10	399	16	1.54
300	6	305	6	425	14	1.50	9	306	9	439	34	1.53	15	306	15	433	28	1.52
310	10	315	10	456	35	1.46	9	316	9	476	38	1.51	19	315	19	465	37	1.48
320	7	327	7	531	31	1.52	10	325	10	517	37	1.51	17	326	17	523	35	1.52
330	2	337	2	600	42	1.57	9	334	9	567	41	1.51	11	335	11	573	41	1.52
340	3	346	3	640	26	1.54	6	345	6	635	59	1.55	9	345	9	637	49	1.55
350	11	355	11	689	44	1.54	6	354	6	680	39	1.53	17	355	17	686	41	1.54
360	4	364	4	683	24	1.42	6	364	6	743	45	1.54	10	364	10	719	48	1.49
370	6	375	6	773	46	1.46	8	374	8	771	51	1.47	14	375	14	772	47	1.47
380	3	385	3	873	40	1.53	7	385	7	843	42	1.48	10	385	10	852	42	1.50
390	4	395	4	843	90	1.37	7	395	7	906	69	1.47	11	395	11	883	80	1.44
400	.	.	.	.	.	.	2	406	2	1020	85	1.52	2	406	2	1020	85	1.52
410	3	416	3	1130	17	1.57	6	414	6	1045	85	1.48	9	414	9	1073	80	1.51
420	1	423	1	1130	.	1.49	2	424	2	1060	127	1.39	3	424	3	1083	99	1.42
430	2	437	2	1300	42	1.56	1	431	1	1210	.	1.51	3	435	3	1270	60	1.55
440	.	.	.	.	.	.	2	447	2	1295	21	1.45	2	447	2	1295	21	1.45
450	.	.	.	.	.	.	3	452	3	1273	70	1.38	3	452	3	1273	70	1.38
460	.	.	.	.	.	.	1	463	1	1570	.	1.58	1	463	1	1570	.	1.58
470	.	.	.	.	.	.	1	479	1	1770	.	1.61	1	479	1	1770	.	1.61
480	.	.	.	.	.	.	1	482	1	1500	.	1.34	1	482	1	1500	.	1.34
TOTAL/MEAN	85	328	85	572	263	1.50	120	342	120	655	323	1.51	205	336	205	621	301	1.51

Table 23. Length and weight data, by 10mm fork length intervals, for white sucker caught by gill nets in Wapun Lake, 1982.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
170	1	177	1	60	.	1.08	.	.	.	.	.	.	1	177	1	60	.	1.08
200	1	203	1	110	.	1.31	.	.	.	.	.	.	1	203	1	110	.	1.31
210	3	216	3	123	31	1.22	.	.	.	.	.	.	3	216	3	123	31	1.22
220	1	228	1	160	.	1.35	.	.	.	.	.	.	1	228	1	160	.	1.35
270	.	.	.	.	.	.	1	274	1	260	.	1.26	1	274	1	260	.	1.26
290	1	296	1	340	.	1.31	2	297	2	350	14	1.34	3	296	3	347	12	1.33
300	1	306	1	420	.	1.47	1	300	1	360	.	1.33	2	303	2	390	42	1.40
310	2	311	2	500	57	1.66	1	311	1	400	.	1.33	3	311	3	467	70	1.55
320	7	327	7	451	134	1.30	2	325	2	490	42	1.43	9	326	9	460	118	1.33
330	4	335	4	530	42	1.41	3	332	3	497	35	1.36	7	334	7	516	40	1.39
340	3	346	3	600	44	1.45	1	348	1	620	.	1.47	4	347	4	605	37	1.45
350	4	354	4	620	61	1.40	1	357	1	620	.	1.36	5	354	5	620	52	1.40
370	1	371	1	640	.	1.25	2	374	2	685	64	1.31	3	373	3	670	52	1.29
380	2	384	2	815	7	1.44	4	383	4	808	31	1.43	6	384	6	810	24	1.44
390	.	.	.	.	.	.	5	393	5	856	25	1.41	5	393	5	856	25	1.41
400	1	405	1	1020	.	1.54	.	.	.	.	.	.	1	405	1	1020	.	1.54
420	1	420	1	970	.	1.31	1	428	1	1060	.	1.35	2	424	2	1015	64	1.33
430	.	.	.	.	.	.	1	438	1	1280	.	1.52	1	438	1	1280	.	1.52
440	.	.	.	.	.	.	1	445	1	1210	.	1.37	1	445	1	1210	.	1.37
TOTAL/MEAN	33	319	33	493	242	1.37	26	361	26	687	266	1.39	59	337	59	579	269	1.38

Table 24. Length and weight data, by 10mm fork length intervals, for white sucker caught by gill nets in Wapun Lake, 1986.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
150	1	158	1	42	.	1.06	.	.	.	.	.	.	1	158	1	42	.	1.06
170	1	172	1	49	.	0.96	.	.	.	.	.	.	1	172	1	49	.	0.96
270	1	270	1	264	.	1.34	.	.	.	.	.	.	1	270	1	264	.	1.34
290	1	299	1	370	.	1.38	.	.	.	.	.	.	1	299	1	370	.	1.38
300	.	.	.	.	.	.	1	306	1	443	.	1.55	1	306	1	443	.	1.55
330	2	337	2	570	12	1.49	.	.	.	.	.	.	2	337	2	570	12	1.49
350	8	354	8	663	52	1.50	.	.	.	.	.	.	8	354	8	663	52	1.50
360	5	366	5	702	43	1.43	1	363	1	682	.	1.43	6	366	6	699	39	1.43
370	4	375	4	788	35	1.50	2	378	2	840	6	1.55	6	376	6	805	38	1.51
380	2	384	2	810	6	1.44	1	383	1	784	.	1.40	3	383	3	801	15	1.42
390	.	.	.	.	.	.	3	393	3	910	32	1.50	3	393	3	910	32	1.50
400	1	407	1	987	.	1.46	5	403	5	954	36	1.45	6	404	6	960	35	1.46
410	.	.	.	.	.	.	1	414	1	1095	.	1.54	1	414	1	1095	.	1.54
420	.	.	.	.	.	.	2	423	2	1066	84	1.41	2	423	2	1066	84	1.41
430	.	.	.	.	.	.	1	434	1	1162	.	1.42	1	434	1	1162	.	1.42
TOTAL/MEAN	26	343	26	632	224	1.43	17	394	17	911	171	1.47	43	363	43	742	245	1.45

Table 25. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Home Lake, 1977.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
250	.	.	.	.	.	.	1	253	1	170	.	1.05	1	253	1	170	.	1.05
260	.	.	.	.	.	.	1	261	1	190	.	1.07	1	261	1	190	.	1.07
270	.	.	.	.	.	.	.	.	.	.	.	.	1	277	1	235	.	1.11
280	.	.	.	.	.	.	1	280	1	220	.	1.00	2	285	2	225	7	0.98
290	1	295	1	270	.	1.05	2	292	2	265	7	1.07	3	293	3	267	6	1.06
300	2	305	2	313	18	1.10	.	.	.	.	.	.	3	303	3	308	14	1.11
310	.	.	.	.	.	.	.	.	.	.	.	.	2	313	2	300	28	0.98
320	2	323	2	365	35	1.08	4	324	4	371	44	1.09	6	324	6	369	38	1.09
330	1	331	1	395	.	1.09	8	334	8	404	34	1.08	9	334	9	403	32	1.08
340	5	345	5	436	20	1.07	7	345	7	431	31	1.05	13	345	13	434	25	1.06
350	8	355	8	469	22	1.05	7	354	7	465	29	1.05	15	355	15	467	25	1.05
360	8	366	8	527	22	1.07	8	365	8	521	23	1.07	16	365	16	524	22	1.07
370	7	373	7	567	68	1.09	12	375	12	563	32	1.07	19	374	19	564	47	1.08
380	10	384	10	586	23	1.03	12	386	12	599	28	1.04	22	385	22	593	26	1.04
390	14	395	14	661	43	1.07	9	397	9	656	39	1.05	24	396	24	659	40	1.06
400	15	405	15	700	34	1.06	22	404	22	690	32	1.04	37	405	37	694	33	1.05
410	12	414	12	763	45	1.08	15	415	15	754	51	1.05	28	415	28	756	49	1.06
420	3	424	3	792	63	1.04	19	425	19	784	57	1.02	22	425	22	785	56	1.02
430	6	433	6	867	61	1.06	9	433	9	861	46	1.06	16	434	16	860	50	1.06
440	2	444	2	893	67	1.02	10	445	10	899	50	1.02	12	445	12	898	50	1.02
450	.	.	.	.	.	.	14	453	14	974	65	1.05	14	453	14	974	65	1.05
460	.	.	.	.	.	.	10	465	10	1016	81	1.01	10	465	10	1016	81	1.01
470	.	.	.	.	.	.	1	473	1	1045	.	0.99	1	473	1	1045	.	0.99
480	.	.	.	.	.	.	1	483	1	1150	.	1.02	1	483	1	1150	.	1.02
490	.	.	.	.	.	.	1	498	1	1320	.	1.07	1	498	1	1320	.	1.07
500	.	.	.	.	.	.	1	502	1	1465	.	1.16	1	502	1	1465	.	1.16
530	.	.	.	.	.	.	1	532	1	1610	.	1.07	1	532	1	1610	.	1.07
570	.	.	.	.	.	.	1	572	1	2000	.	1.07	1	572	1	2000	.	1.07
TOTAL/MEAN	96	387	96	628	147	1.06	177	404	177	715	247	1.05	282	396	282	677	225	1.05

Table 26. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Home Lake, 1978.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
260	.	.	.	.	.	.	1	269	1	180	.	0.92	1	269	1	180	.	0.92
300	.	.	.	.	.	.	1	301	1	250	.	0.92	1	301	1	250	.	0.92
320	3	324	3	360	0	1.06	3	324	3	347	12	1.02	6	324	6	353	10	1.04
330	2	337	2	425	21	1.11	2	336	2	395	21	1.04	4	336	4	410	24	1.08
340	2	345	2	420	14	1.03	2	342	2	390	14	0.98	4	343	4	405	21	1.00
350	4	355	4	455	30	1.02	.	.	.	.	.	.	4	355	4	455	30	1.02
360	4	366	4	535	31	1.09	.	.	.	.	.	.	4	366	4	535	31	1.09
370	.	.	.	.	.	.	1	371	1	580	.	1.14	1	371	1	580	.	1.14
380	1	386	1	620	.	1.08	1	384	1	580	.	1.02	2	385	2	600	28	1.05
390	4	394	4	666	27	1.09	2	395	2	655	21	1.07	6	394	6	663	24	1.08
400	2	406	2	685	35	1.03	2	404	2	653	11	0.99	4	405	4	669	28	1.01
410	3	413	3	728	55	1.04	1	412	1	770	.	1.10	4	413	4	739	49	1.05
420	2	427	2	790	28	1.02	1	429	1	910	.	1.15	3	427	3	830	72	1.06
430	1	434	1	850	.	1.04	2	435	2	950	71	1.15	3	435	3	917	76	1.12
440	.	.	.	.	.	.	1	445	1	1050	.	1.19	1	445	1	1050	.	1.19
450	.	.	.	.	.	.	3	455	3	997	47	1.06	3	455	3	997	47	1.06
490	.	.	.	.	.	.	1	490	1	1280	.	1.09	1	490	1	1280	.	1.09
TOTAL/MEAN	28	376	28	571	150	1.06	24	386	24	655	304	1.05	52	380	52	610	235	1.05

Table 27. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Home Lake, 1979.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
150	.	.	.	.	.	.	1	159	1	35	.	0.87	1	159	1	35	.	0.87
160	.	.	.	.	.	.	2	165	2	40	1	0.89	2	165	2	40	1	0.89
200	1	200	1	80	.	1.00	1	203	1	60	.	0.72	2	202	2	70	14	0.86
210	4	217	4	100	3	0.98	1	217	1	60	.	0.59	5	217	5	92	18	0.90
220	3	227	3	100	17	0.86	1	225	1	120	.	1.05	4	227	4	105	17	0.91
230	1	232	1	124	.	0.99	.	.	.	.	.	.	1	232	1	124	.	0.99
240	2	247	2	161	13	1.07	2	248	2	166	8	1.09	4	247	4	164	9	1.08
250	3	257	3	182	8	1.07	1	250	1	160	.	1.02	4	255	4	176	13	1.06
260	10	265	10	193	10	1.04	4	267	4	199	9	1.04	14	266	14	195	9	1.04
270	4	274	4	220	16	1.07	6	273	6	214	18	1.05	10	274	10	217	17	1.06
280	7	284	7	232	17	1.01	3	282	3	233	12	1.04	10	283	10	232	15	1.02
290	8	297	8	291	87	1.12	9	293	9	275	20	1.09	17	295	17	282	60	1.10
300	13	304	13	286	25	1.02	18	305	18	296	20	1.04	31	305	31	292	22	1.03
310	22	315	22	337	33	1.08	19	314	19	329	27	1.06	41	314	41	333	30	1.07
320	29	323	29	370	23	1.09	19	324	19	367	17	1.08	48	324	48	369	20	1.09
330	30	334	30	402	32	1.07	23	335	23	409	28	1.08	53	335	53	405	30	1.08
340	37	343	37	435	37	1.07	28	344	28	438	27	1.08	65	344	65	436	33	1.07
350	50	354	50	479	35	1.08	38	354	38	473	38	1.07	88	354	88	476	36	1.07
360	35	364	35	528	43	1.10	30	365	30	517	48	1.07	65	364	65	523	46	1.08
370	22	374	22	565	36	1.08	28	374	28	561	39	1.08	50	374	50	562	37	1.08
380	19	385	19	611	85	1.07	23	385	23	621	47	1.09	42	385	42	617	66	1.08
390	17	394	17	668	51	1.09	18	395	18	679	41	1.11	35	394	35	674	46	1.10
400	13	403	13	708	27	1.08	17	404	17	697	44	1.06	30	403	30	702	37	1.07
410	11	414	11	760	49	1.07	11	413	11	783	76	1.11	22	413	22	771	63	1.09
420	10	423	10	802	51	1.06	11	423	11	815	62	1.08	21	423	21	809	56	1.07
430	4	433	4	848	57	1.04	8	436	8	886	33	1.07	12	435	12	873	44	1.06
440	1	443	1	860	.	0.99	7	445	7	907	79	1.03	8	445	8	901	75	1.02
450	2	453	2	955	219	1.03	7	451	7	910	109	0.99	9	452	9	920	124	1.00
460	1	462	1	980	.	0.99	7	465	7	1063	62	1.06	8	464	8	1053	64	1.05
470	1	474	1	1190	.	1.12	1	472	1	1080	.	1.03	2	473	2	1135	78	1.07
480	1	480	1	1130	.	1.02	1	489	1	1410	.	1.21	2	485	2	1270	198	1.11
510	.	.	.	.	.	.	1	511	1	1590	.	1.19	1	511	1	1590	.	1.19
550	.	.	.	.	.	.	1	555	1	1958	.	1.15	1	555	1	1958	.	1.15
TOTAL/MEAN	361	348	361	475	181	1.07	347	360	347	532	235	1.07	708	354	708	503	211	1.07

Table 28. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Home Lake, 1980.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
230	1	239	1	144	.	1.05	3	235	3	125	4	0.96	4	236	4	130	10	0.98
240	2	245	2	139	5	0.95	1	245	1	160	.	1.09	3	245	3	146	13	0.99
250	.	.	.	.	.	.	5	254	5	178	32	1.08	5	254	5	178	32	1.08
260	2	266	2	197	24	1.05	3	263	3	185	13	1.01	5	264	5	190	17	1.03
270	7	274	7	213	14	1.04	9	275	9	207	11	0.99	16	275	16	210	13	1.01
280	8	284	8	235	9	1.02	12	285	12	237	11	1.02	20	285	20	236	10	1.02
290	16	294	16	266	32	1.04	6	295	6	317	149	1.25	22	294	22	280	81	1.10
300	4	305	4	298	17	1.05	5	304	5	284	16	1.01	9	304	9	290	17	1.03
310	14	315	14	333	23	1.07	8	313	8	325	17	1.06	22	314	22	330	21	1.06
320	20	325	20	371	24	1.08	4	325	4	345	17	1.00	24	325	24	366	25	1.07
330	13	333	13	392	20	1.06	17	334	17	389	36	1.04	30	334	30	390	30	1.05
340	13	343	13	446	31	1.10	6	346	6	455	23	1.10	19	344	19	449	28	1.10
350	23	355	23	482	30	1.08	15	354	15	460	17	1.04	38	354	38	473	27	1.06
360	15	364	15	537	34	1.11	10	363	10	516	29	1.08	25	364	25	528	33	1.10
370	26	374	26	570	36	1.09	13	375	13	570	43	1.08	39	374	39	570	38	1.09
380	16	384	16	624	78	1.10	19	384	19	615	35	1.09	35	384	35	619	58	1.10
390	9	395	9	669	25	1.08	16	393	16	626	108	1.03	25	394	25	642	89	1.05
400	14	403	14	720	45	1.10	9	407	9	709	54	1.05	23	405	23	716	48	1.08
410	3	411	3	750	30	1.08	7	413	7	794	44	1.13	10	412	10	781	44	1.11
420	3	424	3	860	101	1.13	7	423	7	836	43	1.11	10	423	10	843	60	1.11
430	2	431	2	825	49	1.03	3	433	3	920	44	1.13	5	432	5	882	65	1.09
440	5	445	5	954	68	1.08	1	448	1	1020	.	1.13	6	446	6	965	67	1.09
450	.	.	.	.	.	.	2	459	2	1130	42	1.17	2	459	2	1130	42	1.17
460	.	.	.	.	.	.	3	465	3	1120	92	1.11	3	465	3	1120	92	1.11
470	.	.	.	.	.	.	1	476	1	1200	.	1.11	1	476	1	1200	.	1.11
TOTAL/MEAN	216	349	216	481	181	1.08	185	352	185	502	233	1.07	401	350	401	491	207	1.07

Table 29. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Home Lake, 1981.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
.	.	.	.	.	.	.	.	.	1	390	.	.	.	.	1	390	.	.
220	1	228	1	120	.	1.01	.	.	.	.	.	.	1	228	1	120	.	1.01
230	2	237	2	125	7	0.94	9	236	9	137	17	1.03	11	237	11	135	16	1.02
240	4	246	4	148	10	1.00	6	243	6	132	16	0.92	10	244	10	138	15	0.95
250	5	254	5	170	10	1.04	4	253	4	160	22	0.99	9	254	9	166	16	1.01
260	1	260	1	150	.	0.85	1	266	1	190	.	1.01	3	262	3	173	21	0.96
270	.	.	.	.	.	.	1	273	1	210	.	1.03	1	273	1	210	.	1.03
280	3	284	3	217	6	0.94	3	285	3	240	26	1.04	6	285	6	228	21	0.99
290	.	.	.	.	.	.	1	295	1	260	.	1.01	1	295	1	260	.	1.01
300	2	304	2	295	7	1.06	4	305	4	280	23	0.98	6	305	6	285	20	1.01
310	3	314	3	333	15	1.07	.	.	.	.	.	.	3	314	3	333	15	1.07
320	3	323	3	363	15	1.08	3	326	3	367	15	1.06	6	325	6	365	14	1.07
330	4	334	4	403	26	1.08	4	334	4	383	17	1.03	8	334	8	393	23	1.06
340	2	346	2	445	35	1.08	.	.	.	.	.	.	2	346	2	445	35	1.08
350	1	352	1	420	.	0.96	3	353	3	497	47	1.13	4	353	4	478	54	1.09
360	2	364	2	525	7	1.09	1	361	1	450	.	0.96	3	363	3	500	44	1.05
370	6	376	6	563	14	1.06	1	375	1	580	.	1.10	7	375	7	566	14	1.07
380	1	384	1	600	.	1.06	1	388	1	690	.	1.18	2	386	2	645	64	1.12
390	.	.	.	.	.	.	5	395	5	706	9	1.14	5	395	5	706	9	1.14
400	1	406	1	710	.	1.06	5	405	5	756	38	1.14	6	405	6	748	39	1.13
410	.	.	.	.	.	.	2	415	2	815	49	1.14	2	415	2	815	49	1.14
430	.	.	.	.	.	.	1	430	1	950	.	1.19	1	430	1	950	.	1.19
440	1	440	1	1050	.	1.23	.	.	.	.	.	.	1	440	1	1050	.	1.23
450	.	.	.	.	.	.	3	454	3	1030	44	1.10	3	454	3	1030	44	1.10
TOTAL/MEAN	42	314	42	357	200	1.04	58	321	59	413	282	1.05	101	317	102	388	251	1.05

Table 30. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Home Lake, 1982.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
240	1	241	1	160	.	1.14	.	.	.	.	.	.	1	241	1	160	.	1.14
250	2	256	2	175	7	1.05	.	.	.	.	.	.	2	256	2	175	7	1.05
260	.	.	.	.	.	.	1	267	1	200	.	1.05	1	267	1	200	.	1.05
270	2	275	2	235	7	1.13	3	273	3	220	10	1.08	5	274	5	226	11	1.10
280	3	287	3	243	6	1.03	4	287	4	270	54	1.14	7	287	7	259	41	1.09
290	8	294	8	273	21	1.08	8	293	8	265	23	1.06	16	293	16	269	22	1.07
300	5	301	5	276	15	1.02	8	305	8	301	16	1.07	13	303	13	292	20	1.05
310	1	310	1	310	.	1.04	2	317	2	355	7	1.11	3	315	3	340	26	1.09
320	2	328	2	375	7	1.07	1	323	1	360	.	1.07	3	326	3	370	10	1.07
330	.	.	.	.	.	.	1	333	1	390	.	1.06	1	333	1	390	.	1.06
340	3	344	3	437	25	1.07	.	.	.	.	.	.	3	344	3	437	25	1.07
350	1	350	1	460	.	1.07	.	.	.	.	.	.	1	350	1	460	.	1.07
360	1	366	1	530	.	1.08	.	.	.	.	.	.	1	366	1	530	.	1.08
370	.	.	.	.	.	.	1	374	1	540	.	1.03	1	374	1	540	.	1.03
380	2	382	2	645	35	1.16	2	384	2	615	21	1.09	4	383	4	630	29	1.12
390	3	392	3	690	30	1.15	.	.	.	.	.	.	3	392	3	690	30	1.15
400	5	404	5	732	38	1.11	2	401	2	700	28	1.09	7	403	7	723	37	1.11
410	2	415	2	840	113	1.17	1	410	1	710	.	1.03	3	413	3	797	110	1.13
420	.	.	.	.	.	.	4	425	4	840	42	1.10	4	425	4	840	42	1.10
430	2	434	2	880	42	1.08	2	432	2	900	99	1.12	4	433	4	890	63	1.10
440	.	.	.	.	.	.	1	447	1	960	.	1.07	1	447	1	960	.	1.07
450	.	.	.	.	.	.	1	450	1	1200	.	1.32	1	450	1	1200	.	1.32
470	2	473	2	1110	127	1.05	.	.	.	.	.	.	2	473	2	1110	127	1.05
TOTAL/MEAN	45	341	45	474	266	1.08	42	336	42	455	268	1.09	87	338	87	465	266	1.08

Table 31. Length and weight data, by age, for walleye caught by gill nets in Home Lake, 1977.

AGE (years)	MALES							FEMALES							COMBINED						
	LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)			
	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K
3	.	.	.	.	.	.	.	2	271	13	2	205	21	1.04	2	271	13	2	205	21	1.04
4	1	307	.	1	300	.	1.04	1	321	.	1	350	.	1.06	2	314	10	2	325	35	1.05
5	4	354	6	4	463	17	1.04	9	347	13	9	449	32	1.08	13	349	11	13	453	28	1.07
6	4	362	25	4	526	107	1.10	7	366	25	7	521	89	1.06	11	364	24	11	523	91	1.08
7	7	377	14	7	574	62	1.07	11	387	17	11	619	67	1.06	18	383	16	18	601	67	1.07
8	5	384	27	5	609	130	1.07	16	411	22	16	731	127	1.04	21	405	26	21	702	136	1.05
9	3	413	21	3	775	74	1.10	15	432	20	15	828	135	1.02	18	429	21	18	819	127	1.04
10	3	404	8	3	737	12	1.12	10	439	24	10	878	130	1.03	13	431	26	13	845	128	1.05
11	1	410	.	1	720	.	1.04	5	431	27	5	813	155	1.01	6	427	25	6	798	144	1.02
12	.	.	.	.	.	.	.	4	438	22	4	864	132	1.02	4	438	22	4	864	132	1.02
14	.	.	.	.	.	.	.	1	532	.	1	1610	.	1.07	1	532	.	1	1610	.	1.07
17	.	.	.	.	.	.	.	1	572	.	1	2000	.	1.07	1	572	.	1	2000	.	1.07
TOTAL/MEAN	28	378	29	28	592	135	1.08	82	406	49	82	723	263	1.04	110	399	46	110	690	243	1.05

Table 32. Length and weight data, by age, for walleye caught by gill nets in Home Lake, 1979.

AGE (years)	MALES							FEMALES							COMBINED						
	LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)			
	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K
4	5	252	28	5	177	62	1.06	.	.	.	.	.	.	.	5	252	28	5	177	62	1.06
5	9	299	23	9	312	93	1.16	5	309	11	5	312	36	1.06	14	302	20	14	312	76	1.12
6	21	331	17	21	394	62	1.08	20	343	24	20	428	91	1.05	41	337	22	41	411	79	1.06
7	9	354	8	9	483	59	1.08	5	367	23	5	536	85	1.08	14	359	16	14	502	71	1.08
8	7	361	24	7	526	112	1.11	13	373	17	13	568	89	1.09	20	369	20	20	553	96	1.09
9	9	377	15	9	576	65	1.08	8	407	26	8	740	129	1.10	17	391	25	17	653	129	1.09
10	6	400	16	6	698	40	1.10	6	410	22	6	753	87	1.09	12	405	19	12	726	71	1.10
11	1	402	.	1	700	.	1.08	3	414	35	3	747	156	1.05	4	411	29	4	735	129	1.06
12	1	410	.	1	750	.	1.09	1	453	.	1	920	.	0.99	2	432	30	2	835	120	1.04
13	2	427	11	2	835	21	1.08	.	.	.	.	.	.	.	2	427	11	2	835	21	1.08
14	2	429	37	2	740	85	0.94	2	449	3	2	950	99	1.05	4	439	24	4	845	143	1.00
17	.	.	.	.	.	.	.	1	511	.	1	1590	.	1.19	1	511	.	1	1590	.	1.19
TOTAL/MEAN	72	346	46	72	472	171	1.09	64	373	45	64	582	226	1.07	136	359	47	136	524	205	1.08

Table 33. Length and weight data, by age, for walleye caught by gill nets in Home Lake, 1980.

AGE (years)	MALES							FEMALES							COMBINED						
	LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)			
	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K
2	2	245	6	2	139	5	0.95	4	245	14	4	146	28	0.99	6	245	11	6	143	22	0.97
3	17	286	12	17	243	42	1.03	15	282	14	15	232	28	1.03	32	284	13	32	238	36	1.03
4	21	318	11	21	341	31	1.06	10	318	15	10	331	54	1.03	31	318	12	31	338	39	1.05
5	12	343	19	12	438	75	1.08	17	347	29	17	444	96	1.05	29	345	25	29	441	86	1.06
6	13	364	12	13	518	56	1.07	12	369	19	12	531	88	1.05	25	366	16	25	524	72	1.06
7	9	377	22	9	613	97	1.14	7	399	15	7	716	93	1.12	16	387	22	16	658	106	1.13
8	5	366	15	5	534	54	1.08	10	390	16	10	634	68	1.07	15	382	19	15	601	79	1.07
9	5	390	12	5	666	50	1.13	1	430	.	1	970	.	1.22	6	397	20	6	717	132	1.14
10	2	390	1	2	625	21	1.06	1	448	.	1	1020	.	1.13	3	409	34	3	757	229	1.08
11	1	400	.	1	680	.	1.06	1	425	.	1	870	.	1.13	2	413	18	2	775	134	1.10
12	1	404	.	1	730	.	1.11	1	476	.	1	1200	.	1.11	2	440	51	2	965	332	1.11
13	2	402	9	2	730	85	1.13	3	431	24	3	940	195	1.16	5	419	24	5	856	184	1.15
15	.	.	.	.	.	.	.	1	463	.	1	1220	.	1.23	1	463	.	1	1220	.	1.23
18	1	449	.	1	1000	.	1.10	.	.	.	.	.	.	.	1	449	.	1	1000	.	1.10
TOTAL/MEAN	91	339	42	91	442	171	1.07	83	349	56	83	491	249	1.06	174	344	50	174	465	213	1.07

Table 34. Length and weight data, by age, for walleye caught by gill nets in Home Lake, 1981.

AGE (years)	MALES							FEMALES							COMBINED						
	LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)			
	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K
2	11	247	10	11	150	21	0.99	15	244	9	15	140	23	0.96	26	245	9	26	144	22	0.97
3	6	287	27	6	238	73	0.98	13	273	27	13	212	57	1.03	19	277	27	19	221	62	1.01
4	10	324	13	10	363	38	1.07	9	334	16	9	386	53	1.03	19	328	15	19	374	46	1.05
5	4	350	12	4	465	48	1.08	3	353	20	3	477	96	1.07	7	351	14	7	470	65	1.08
6	2	371	12	2	535	21	1.05	3	385	27	4	598	162	1.16	5	379	22	6	577	130	1.12
7	6	376	5	6	572	18	1.07	6	405	10	6	757	63	1.14	12	391	17	12	664	106	1.11
8	.	.	.	.	.	.	.	1	391	.	1	710	.	1.19	1	391	.	1	710	.	1.19
9	.	.	.	.	.	.	.	2	426	41	2	855	219	1.10	2	426	41	2	855	219	1.10
10	1	406	.	1	710	.	1.06	1	400	.	1	790	.	1.23	2	403	4	2	750	57	1.15
11	.	.	.	.	.	.	.	3	416	30	3	813	162	1.12	3	416	30	3	813	162	1.12
13	.	.	.	.	.	.	.	1	456	.	1	1080	.	1.14	1	456	.	1	1080	.	1.14
14	.	.	.	.	.	.	.	1	430	.	1	950	.	1.19	1	430	.	1	950	.	1.19
15	1	440	.	1	1050	.	1.23	.	.	.	.	.	.	.	1	440	.	1	1050	.	1.23
TOTAL/MEAN	41	315	55	41	362	200	1.04	58	321	71	59	413	282	1.05	99	319	65	100	392	252	1.05

Table 35. Length and weight data, by 10mm fork length intervals, for northern pike caught by gill nets in Home Lake, 1977.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
330	.	.	.	.	.	.	.	.	.	.	.	.	1	330	1	275	.	0.77
350	1	359	1	345	.	0.75	.	.	.	.	.	.	1	359	1	345	.	0.75
360	.	.	.	.	.	.	1	368	1	320	.	0.64	2	368	2	340	28	0.69
370	.	.	.	.	.	.	1	377	1	375	.	0.70	2	374	2	358	25	0.69
380	.	.	.	.	.	.	2	384	2	393	11	0.70	3	385	3	398	13	0.70
390	1	392	1	435	.	0.72	.	.	.	.	.	.	4	395	4	426	21	0.69
400	.	.	.	.	.	.	1	401	1	420	.	0.65	3	405	3	422	3	0.63
410	1	416	1	500	.	0.69	.	.	.	.	.	.	2	414	2	453	67	0.64
420	.	.	.	.	.	.	1	427	1	510	.	0.66	3	426	3	522	63	0.67
430	.	.	.	.	.	.	.	.	.	.	.	.	2	432	2	495	21	0.62
440	.	.	.	.	.	.	.	.	.	.	.	.	4	444	4	595	30	0.68
450	.	.	.	.	.	.	1	455	1	575	.	0.61	4	455	4	626	45	0.67
460	.	.	.	.	.	.	2	467	2	673	4	0.66	4	465	4	681	19	0.68
470	.	.	.	.	.	.	1	475	1	665	.	0.62	7	474	7	674	23	0.63
480	2	485	2	850	57	0.75	1	488	1	755	.	0.65	5	487	5	783	70	0.68
490	.	.	.	.	.	.	2	496	2	758	11	0.62	3	496	3	755	9	0.62
500	1	508	1	900	.	0.69	.	.	.	.	.	.	3	505	3	890	26	0.69
510	.	.	.	.	.	.	.	.	.	.	.	.	2	511	2	1040	184	0.78
520	1	525	1	990	.	0.68	.	.	.	.	.	.	5	524	5	934	58	0.65
530	.	.	.	.	.	.	2	539	2	1060	35	0.68	2	539	2	1060	35	0.68
540	.	.	.	.	.	.	.	.	.	.	.	.	3	541	3	868	311	0.55
550	.	.	.	.	.	.	1	556	1	1205	.	0.70	3	554	3	1105	103	0.65
560	.	.	.	.	.	.	.	.	.	.	.	.	2	564	2	1233	152	0.69
570	.	.	.	.	.	.	2	575	2	1330	99	0.70	4	574	4	1268	115	0.67
580	.	.	.	.	.	.	.	.	.	.	.	.	1	588	1	1390	.	0.68
590	.	.	.	.	.	.	.	.	.	.	.	.	2	596	2	1595	21	0.75
600	.	.	.	.	.	.	1	607	1	1420	.	0.63	1	607	1	1420	.	0.63
610	.	.	.	.	.	.	.	.	.	.	.	.	1	614	1	1660	.	0.72
620	.	.	.	.	.	.	1	620	1	1655	.	0.69	1	620	1	1655	.	0.69
640	.	.	.	.	.	.	.	.	.	.	.	.	2	647	2	1608	520	0.60
690	.	.	.	.	.	.	.	.	.	.	.	.	1	698	1	3050	.	0.90
700	.	.	.	.	.	.	.	.	.	.	.	.	1	707	1	1090	.	0.31
760	.	.	.	.	.	.	2	767	2	3735	177	0.83	2	767	2	3735	177	0.83
770	.	.	.	.	.	.	1	778	1	3140	.	0.67	1	778	1	3140	.	0.67
TOTAL/MEAN	7	453	7	696	261	0.72	23	522	23	1171	1014	0.68	87	498	87	924	663	0.67

Table 36. Length and weight data, by 10mm fork length intervals, for northern pike caught by gill nets in Home Lake, 1979.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
220	1	225	1	78	.	0.68	3	224	3	71	10	0.63	4	225	4	73	9	0.65
250	.	.	.	.	.	.	1	250	1	100	.	0.64	1	250	1	100	.	0.64
280	.	.	.	.	.	.	1	285	1	800	.	3.46	1	285	1	800	.	3.46
290	1	296	1	190	.	0.73	2	297	2	175	7	0.67	3	297	3	180	10	0.69
300	3	304	3	193	12	0.69	.	.	.	.	.	.	3	304	3	193	12	0.69
310	1	314	1	220	.	0.71	5	311	5	196	17	0.65	6	312	6	200	18	0.66
320	3	325	3	237	25	0.69	5	323	5	230	20	0.68	8	324	8	233	21	0.69
330	4	334	4	250	29	0.67	5	333	5	232	15	0.63	9	333	9	240	23	0.65
340	10	344	10	280	24	0.69	3	343	3	263	12	0.65	13	344	13	276	22	0.68
350	6	356	6	320	21	0.71	.	.	.	.	.	.	6	356	6	320	21	0.71
360	5	363	5	314	43	0.66	2	363	2	310	71	0.65	7	363	7	313	46	0.65
370	3	375	3	367	12	0.70	4	374	4	350	38	0.67	7	374	7	357	29	0.68
380	9	385	9	382	20	0.67	3	382	3	387	31	0.69	12	384	12	383	22	0.68
390	2	398	2	430	57	0.68	2	397	2	420	42	0.67	4	397	4	425	41	0.68
400	1	402	1	410	.	0.63	1	400	1	420	.	0.66	2	401	2	415	7	0.64
410	1	410	1	420	.	0.61	1	416	1	410	.	0.57	2	413	2	415	7	0.59
420	3	424	3	550	185	0.72	1	429	1	530	.	0.67	4	426	4	545	152	0.71
430	5	434	5	554	44	0.68	4	433	4	518	48	0.64	9	433	9	538	47	0.66
440	4	443	4	598	31	0.69	4	445	4	615	30	0.70	8	444	8	606	30	0.69
450	5	455	5	614	113	0.65	3	453	3	593	50	0.64	8	454	8	606	90	0.65
460	1	461	1	660	.	0.67	2	464	2	700	28	0.70	3	463	3	687	31	0.69
470	.	.	.	.	.	.	5	474	5	706	19	0.66	5	474	5	706	19	0.66
480	2	482	2	720	71	0.65	.	.	.	.	.	.	2	482	2	720	71	0.65
490	1	491	1	830	.	0.70	4	493	4	768	77	0.64	5	493	5	780	72	0.65
500	3	500	3	917	72	0.73	6	504	6	818	93	0.64	9	503	9	851	96	0.67
510	.	.	.	.	.	.	2	519	2	895	35	0.64	2	519	2	895	35	0.64
520	1	523	1	1050	.	0.73	2	524	2	1050	28	0.73	3	524	3	1050	20	0.73
530	.	.	.	.	.	.	6	534	6	1010	147	0.66	6	534	6	1010	147	0.66
540	.	.	.	.	.	.	4	543	4	1110	115	0.69	4	543	4	1110	115	0.69
550	1	559	1	1220	.	0.70	2	552	2	1085	49	0.65	3	554	3	1130	85	0.66
560	.	.	.	.	.	.	4	565	4	1353	94	0.75	4	565	4	1353	94	0.75
570	.	.	.	.	.	.	1	578	1	1320	.	0.68	1	578	1	1320	.	0.68
580	1	581	1	1560	.	0.80	.	.	.	.	.	.	1	581	1	1560	.	0.80
610	1	613	1	1520	.	0.66	1	612	1	1590	.	0.69	2	613	2	1555	49	0.68
620	.	.	.	.	.	.	1	626	1	1420	.	0.58	1	626	1	1420	.	0.58
780	.	.	.	.	.	.	1	780	1	3330	.	0.70	1	780	1	3330	.	0.70
860	.	.	.	.	.	.	1	860	1	5760	.	0.91	1	860	1	5760	.	0.91
TOTAL/MEAN	78	395	78	464	281	0.68	92	440	92	712	710	0.70	170	420	170	598	568	0.69

Table 37. Length and weight data, by 10mm fork length intervals, for northern pike caught by gill nets in Home Lake, 1980.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
220	.	.	.	.	.	.	1	220	1	74	.	0.69	1	220	1	74	.	0.69
230	1	236	1	100	.	0.76	.	.	.	.	.	.	1	236	1	100	.	0.76
250	.	.	.	.	.	.	1	251	1	120	.	0.76	1	251	1	120	.	0.76
270	3	274	3	150	0	0.73	.	.	.	.	.	.	3	274	3	150	0	0.73
280	1	285	1	180	.	0.78	1	287	1	150	.	0.63	2	286	2	165	21	0.71
290	3	292	3	167	12	0.67	1	297	1	180	.	0.69	4	294	4	170	12	0.67
300	7	305	7	189	16	0.66	.	.	.	.	.	.	7	305	7	189	16	0.66
310	11	314	11	205	16	0.66	11	313	11	202	10	0.66	22	314	22	203	13	0.66
320	8	322	8	329	280	0.97	8	324	8	215	9	0.63	16	323	16	272	200	0.80
330	13	334	13	254	21	0.68	7	333	7	253	21	0.68	20	334	20	254	21	0.68
340	14	345	14	271	26	0.66	14	345	14	272	19	0.66	28	345	28	272	22	0.66
350	13	354	13	305	25	0.69	14	355	14	284	32	0.63	27	355	27	294	30	0.66
360	9	364	9	320	17	0.66	12	365	12	326	14	0.67	21	365	21	323	16	0.67
370	6	376	6	358	30	0.68	9	375	9	347	25	0.66	15	375	15	351	27	0.67
380	8	384	8	386	15	0.68	11	385	11	385	27	0.68	19	384	19	386	22	0.68
390	10	395	10	427	24	0.69	8	393	8	395	17	0.65	18	394	18	413	26	0.67
400	4	404	4	475	33	0.72	7	403	7	439	41	0.67	11	403	11	452	41	0.69
410	6	415	6	505	32	0.71	6	412	6	465	31	0.67	12	414	12	485	37	0.69
420	2	422	2	530	113	0.70	3	424	3	507	83	0.66	5	423	5	516	83	0.68
430	6	435	6	580	26	0.70	1	436	1	600	.	0.72	7	435	7	583	25	0.71
440	8	443	8	645	88	0.74	2	446	2	605	7	0.68	10	443	10	637	80	0.73
450	9	453	9	690	86	0.74	7	454	7	630	51	0.67	16	454	16	664	77	0.71
460	4	461	4	763	51	0.78	7	466	7	676	65	0.67	11	464	11	707	72	0.71
470	5	476	5	792	76	0.73	6	474	6	718	46	0.68	11	475	11	752	70	0.70
480	7	485	7	797	42	0.70	10	484	10	768	127	0.68	17	484	17	780	100	0.69
490	6	494	6	887	64	0.73	7	494	7	783	82	0.65	13	494	13	831	89	0.69
500	6	505	6	970	90	0.75	5	503	5	942	100	0.74	11	504	11	957	91	0.75
510	6	513	6	1003	23	0.74	6	514	6	925	62	0.68	12	514	12	964	61	0.71
520	6	525	6	1020	78	0.71	11	524	11	1006	166	0.70	17	524	17	1011	138	0.70
530	7	536	7	1133	91	0.74	5	534	5	1132	134	0.74	12	535	12	1133	105	0.74
540	5	546	5	1180	129	0.72	4	545	4	1148	128	0.71	9	545	9	1166	121	0.72
550	1	559	1	1230	.	0.70	5	554	5	1216	99	0.72	6	555	6	1218	89	0.71
560	4	567	4	1275	49	0.70	4	562	4	1305	88	0.74	8	564	8	1290	68	0.72
570	2	572	2	1355	191	0.72	4	574	4	1405	114	0.74	6	573	6	1388	125	0.74
580	.	.	.	.	.	.	2	588	2	1335	106	0.66	2	588	2	1335	106	0.66
590	1	590	1	1420	.	0.69	1	595	1	1550	.	0.74	2	593	2	1485	92	0.71
600	.	.	.	.	.	.	1	608	1	1760	.	0.78	1	608	1	1760	.	0.78
630	2	634	2	2325	530	0.92	.	.	.	.	.	.	2	634	2	2325	530	0.92
640	.	.	.	.	.	.	2	646	2	1960	141	0.73	2	646	2	1960	141	0.73
650	1	652	1	1950	.	0.70	.	.	.	.	.	.	1	652	1	1950	.	0.70
670	.	.	.	.	.	.	1	678	1	2000	.	0.64	1	678	1	2000	.	0.64
960	.	.	.	.	.	.	1	963	1	6320	.	0.71	1	963	1	6320	.	0.71
TOTAL/MEAN	205	413	205	578	395	0.71	206	430	206	636	564	0.68	411	422	411	607	488	0.70

Table 38. Length and weight data, by 10mm fork length intervals, for northern pike caught by gill nets in Home Lake, 1981.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
290																		
310	1	298	1	180	.	0.68							1	298	1	180	.	0.68
320	.	.	.	.	.	.	2	318	2	245	21	0.77	2	318	2	245	21	0.77
330	2	324	2	235	21	0.69	1	323	1	230	.	0.68	3	323	3	233	15	0.69
340	2	331	2	240	28	0.66	1	338	1	280	.	0.73	3	333	3	253	31	0.68
350	2	343	2	295	7	0.73	1	343	1	270	.	0.67	3	343	3	287	15	0.71
360	3	355	3	277	6	0.62	1	355	1	280	.	0.63	4	355	4	278	5	0.62
370	8	366	8	336	20	0.69	2	365	2	335	64	0.69	10	366	10	336	28	0.69
380	5	377	5	398	36	0.74	5	374	5	352	22	0.67	10	376	10	375	37	0.71
390	7	383	7	390	14	0.70	5	384	5	380	12	0.67	12	383	12	386	14	0.69
400	8	396	8	455	17	0.73	7	393	7	427	22	0.70	15	395	15	442	24	0.72
410	3	404	3	490	46	0.74	7	404	7	444	29	0.67	10	404	10	458	39	0.69
420	3	416	3	487	21	0.67	5	414	5	486	24	0.69	8	415	8	486	21	0.68
430	2	427	2	575	7	0.74	6	425	6	528	42	0.69	8	425	8	540	41	0.70
440	3	432	3	583	35	0.72	4	436	4	565	40	0.68	7	434	7	573	36	0.70
450	6	444	6	628	43	0.72	5	444	5	588	63	0.67	11	444	11	610	54	0.70
460	3	454	3	647	32	0.69	7	454	7	643	49	0.69	10	454	10	644	42	0.69
470	1	460	1	730	.	0.75	6	465	6	717	23	0.71	7	465	7	719	22	0.72
480	2	477	2	765	7	0.71	1	470	1	700	.	0.67	3	474	3	743	38	0.70
490	2	483	2	810	42	0.72	3	486	3	850	36	0.74	5	484	5	834	40	0.73
500	1	499	1	910	.	0.73	2	490	2	785	7	0.67	3	493	3	827	72	0.69
510	2	506	2	970	42	0.75	.	.	.	.	.	.	2	506	2	970	42	0.75
520	2	514	2	990	127	0.73	4	516	4	975	45	0.71	6	515	6	980	67	0.72
530	2	526	2	1080	85	0.74	2	525	2	890	14	0.62	4	526	4	985	120	0.68
540	1	538	1	1270	.	0.82	2	537	2	1105	148	0.72	3	537	3	1160	142	0.75
550	2	544	2	1120	141	0.70	1	541	1	1190	.	0.75	3	543	3	1143	108	0.71
560	1	554	1	1300	.	0.76	1	550	1	1200	.	0.72	2	552	2	1250	71	0.74
570	.	.	.	.	.	.	2	566	2	1315	233	0.73	2	566	2	1315	233	0.73
580	1	577	1	1260	.	0.66	3	575	3	1517	123	0.80	4	576	4	1453	163	0.76
610	.	.	.	.	.	.	1	583	1	1520	.	0.77	1	583	1	1520	.	0.77
620	.	.	.	.	.	.	3	611	3	1687	90	0.74	3	611	3	1687	90	0.74
630	.	.	.	.	.	.	1	626	.	.	.	.	1	626	.	.	.	.
640	.	.	.	.	.	.	2	634	2	1760	198	0.69	2	634	2	1760	198	0.69
660	.	.	.	.	.	.	1	642	1	1730	.	0.65	1	642	1	1730	.	0.65
	.	.	.	.	.	.	1	662	1	2060	.	0.71	1	662	1	2060	.	0.71
TOTAL/MEAN	75	418	75	561	278	0.71	95	456	95	721	429	0.70	170	439	169	650	377	0.70

Table 39. Length and weight data, by 10mm fork length intervals, for northern pike caught by gill nets in Home Lake, 1982.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
280	1	285	1	160	.	0.69	.	.	.	.	.	.	1	285	1	160	.	0.69
310	1	318	1	220	.	0.68	.	.	.	.	.	.	1	318	1	220	.	0.68
320	.	.	.	.	.	.	1	324	1	240	.	0.71	1	324	1	240	.	0.71
350	1	350	1	280	.	0.65	.	.	.	.	.	.	1	350	1	280	.	0.65
360	2	366	2	310	14	0.63	1	360	1	300	.	0.64	3	364	3	307	12	0.64
370	1	370	1	310	.	0.61	1	376	1	350	.	0.66	2	373	2	330	28	0.64
380	2	387	2	375	35	0.65	.	.	.	.	.	.	2	387	2	375	35	0.65
390	2	392	2	390	14	0.65	1	397	1	350	.	0.56	3	394	3	377	25	0.62
400	2	401	2	440	28	0.68	2	405	2	415	64	0.63	4	403	4	428	43	0.65
410	6	417	6	470	24	0.65	.	.	.	.	.	.	6	417	6	470	24	0.65
420	3	425	3	520	26	0.68	4	423	4	460	27	0.61	7	424	7	486	40	0.64
430	7	434	7	554	44	0.68	.	.	.	.	.	.	7	434	7	554	44	0.68
440	4	442	4	570	42	0.66	4	441	4	555	37	0.65	8	441	8	563	37	0.65
450	4	453	4	605	82	0.65	3	454	3	560	53	0.60	7	453	7	586	70	0.63
460	2	466	2	605	21	0.60	5	462	5	612	40	0.62	7	463	7	610	34	0.61
470	7	477	7	720	50	0.66	5	475	5	710	25	0.66	12	476	12	716	40	0.66
480	1	483	1	670	.	0.59	3	482	3	690	30	0.61	4	483	4	685	26	0.61
490	3	493	3	793	6	0.66	6	493	6	765	59	0.64	9	493	9	774	49	0.64
500	1	505	1	870	.	0.68	.	.	.	.	.	.	1	505	1	870	.	0.68
510	2	516	2	945	7	0.69	3	516	3	860	17	0.62	5	516	5	894	48	0.65
520	2	526	2	865	92	0.60	2	524	2	960	113	0.67	4	525	4	913	100	0.63
530	3	535	3	937	95	0.61	3	536	3	1030	66	0.67	6	536	6	983	89	0.64
540	2	544	2	1100	71	0.69	1	545	1	1080	.	0.67	3	544	3	1093	51	0.68
550	1	554	1	1170	.	0.69	2	556	2	1170	184	0.68	3	555	3	1170	130	0.68
560	.	.	.	.	.	.	4	565	4	1450	411	0.80	4	565	4	1450	411	0.80
570	1	571	1	1150	.	0.62	3	575	3	1310	56	0.69	4	574	4	1270	92	0.67
580	.	.	.	.	.	.	1	589	1	1240	.	0.61	1	589	1	1240	.	0.61
590	1	597	1	1300	.	0.61	1	598	1	1460	.	0.68	2	598	2	1380	113	0.65
600	.	.	.	.	.	.	3	606	3	1190	512	0.53	3	606	3	1190	512	0.53
610	.	.	.	.	.	.	2	613	2	1630	269	0.71	2	613	2	1630	269	0.71
620	2	622	2	1630	28	0.68	4	624	4	1685	143	0.69	6	623	6	1667	115	0.69
630	1	632	1	1800	.	0.71	1	630	1	1700	.	0.68	2	631	2	1750	71	0.70
640	.	.	.	.	.	.	1	641	1	2090	.	0.79	1	641	1	2090	.	0.79
650	.	.	.	.	.	.	1	650	1	1760	.	0.64	1	650	1	1760	.	0.64
660	.	.	.	.	.	.	1	664	1	2760	.	0.94	1	664	1	2760	.	0.94
670	.	.	.	.	.	.	2	675	2	2650	71	0.86	2	675	2	2650	71	0.86
690	.	.	.	.	.	.	3	696	3	2583	136	0.77	3	696	3	2583	136	0.77
710	2	714	2	2785	120	0.77	.	.	.	.	.	.	2	714	2	2785	120	0.77
720	.	.	.	.	.	.	1	725	1	2900	.	0.76	1	725	1	2900	.	0.76
730	.	.	.	.	.	.	1	731	1	3010	.	0.77	1	731	1	3010	.	0.77
750	.	.	.	.	.	.	1	756	1	3550	.	0.82	1	756	1	3550	.	0.82
1050	.	.	.	.	.	.	1	1050	1	8680	.	0.75	1	1050	1	8680	.	0.75
TOTAL/MEAN	67	468	67	746	484	0.66	78	539	78	1251	1134	0.67	145	506	145	1018	927	0.67

Table 40. Length and weight data, by 10mm fork length intervals, for white sucker caught by gill nets in Home Lake, 1977.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
.	.	.	1	645	.	.	.	.	.	.	.	.	.	.	1	645	.	.
230	.	.	.	.	.	.	.	.	.	.	.	.	2	234	2	175	14	1.37
250	.	.	.	.	.	.	1	253	1	230	.	1.42	2	254	2	215	21	1.32
260	.	.	.	.	.	.	.	.	.	.	.	.	3	263	3	267	12	1.47
280	.	.	.	.	.	.	1	283	1	340	.	1.50	2	283	2	300	57	1.33
290	.	.	.	.	.	.	1	291	1	345	.	1.40	1	291	1	345	.	1.40
300	.	.	.	.	.	.	1	305	1	375	.	1.32	2	306	2	403	39	1.41
310	.	.	.	.	.	.	.	.	.	.	.	.	1	318	1	420	.	1.31
320	1	321	1	490	.	1.48	1	323	1	445	.	1.32	3	324	3	485	38	1.42
330	.	.	.	.	.	.	3	332	3	510	31	1.40	6	332	6	498	37	1.36
340	.	.	.	.	.	.	1	347	1	665	.	1.59	6	345	6	578	48	1.41
350	2	353	2	655	7	1.49	1	358	1	610	.	1.33	11	354	11	608	37	1.37
360	2	364	2	675	49	1.41	2	364	2	700	0	1.46	15	364	15	678	37	1.41
370	2	376	2	788	4	1.48	3	374	3	703	41	1.35	17	374	17	709	45	1.35
380	3	384	3	762	33	1.34	1	388	1	910	.	1.39	29	385	29	784	51	1.38
390	2	398	2	843	25	1.34	4	395	4	810	61	1.32	20	396	20	844	60	1.36
400	.	.	.	.	.	.	.	.	.	.	.	.	18	404	18	892	48	1.35
410	.	.	.	.	.	.	3	411	3	950	66	1.37	11	413	11	970	57	1.38
420	.	.	.	.	.	.	3	423	3	912	88	1.20	13	424	13	1008	86	1.32
430	.	.	.	.	.	.	2	437	2	1093	11	1.31	6	435	6	1084	30	1.32
440	.	.	.	.	.	.	.	.	.	.	.	.	1	442	1	1250	.	1.45
470	.	.	.	.	.	.	.	.	.	.	.	.	2	478	2	1393	202	1.28
TOTAL/MEAN	12	371	13	718	100	1.41	28	370	28	710	235	1.36	171	378	172	763	217	1.37

Table 41. Length and weight data, by 10mm fork length intervals, for white sucker caught by gill nets in Home Lake, 1978.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
180	.	.	.	.	.	.	1	188	1	80	.	1.20	1	188	1	80	.	1.20
190	.	.	.	.	.	.	1	195	1	90	.	1.21	1	195	1	90	.	1.21
260	.	.	.	.	.	.	1	264	1	280	.	1.52	1	264	1	280	.	1.52
290	.	.	.	.	.	.	2	297	2	355	7	1.36	2	297	2	355	7	1.36
300	1	301	1	370	.	1.36	.	.	.	.	.	.	1	301	1	370	.	1.36
320	.	.	.	.	.	.	1	323	1	440	.	1.31	2	323	2	500	85	1.49
330	1	333	1	540	.	1.46	.	.	.	.	.	.	1	333	1	540	.	1.46
340	1	346	1	680	.	1.64	.	.	.	.	.	.	1	346	1	680	.	1.64
350	.	.	.	.	.	.	3	353	3	680	20	1.55	3	353	3	680	20	1.55
360	2	365	2	695	21	1.43	.	.	.	.	.	.	2	365	2	695	21	1.43
370	2	373	2	775	78	1.50	3	374	3	810	46	1.55	5	373	5	796	54	1.53
380	4	385	4	833	36	1.46	3	384	3	897	67	1.59	7	385	7	860	57	1.51
390	1	399	1	950	.	1.50	5	391	5	900	47	1.50	6	393	6	908	47	1.50
400	3	402	3	943	25	1.45	4	406	4	1005	52	1.50	7	405	7	979	51	1.48
410	.	.	.	.	.	.	2	415	2	1160	113	1.62	2	415	2	1160	113	1.62
420	1	420	1	1120	.	1.51	1	422	1	1100	.	1.46	2	421	2	1110	14	1.49
430	.	.	.	.	.	.	2	431	2	1160	85	1.45	2	431	2	1160	85	1.45
450	.	.	.	.	.	.	1	452	1	1340	.	1.45	1	452	1	1340	.	1.45
TOTAL/MEAN	16	376	16	798	181	1.47	30	368	30	812	325	1.49	47	370	47	802	280	1.48

Table 42. Length and weight data, by 10mm fork length intervals, for white sucker caught by gill nets in Home Lake, 1979.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
200	1	207	1	114	.	1.29	1	200	1	120	.	1.50	3	205	3	115	5	1.34
210	1	213	1	140	.	1.45	2	217	2	155	7	1.53	4	216	4	140	22	1.39
220	1	221	1	160	.	1.48	4	224	4	159	15	1.41	6	224	6	161	13	1.43
230	4	234	4	178	21	1.39	1	234	1	155	.	1.21	5	234	5	173	20	1.35
240	4	243	4	198	17	1.38	8	244	8	200	26	1.38	12	244	12	199	23	1.38
250	5	255	5	240	12	1.44	11	254	11	225	13	1.37	18	255	18	231	15	1.40
260	8	264	8	256	20	1.39	4	263	4	270	14	1.48	12	264	12	261	19	1.42
270	5	272	5	288	13	1.43	9	273	9	343	155	1.67	15	273	15	321	121	1.57
280	5	282	5	320	14	1.42	5	284	5	336	27	1.47	10	283	10	328	22	1.44
290	12	293	12	372	21	1.48	6	292	6	358	10	1.43	18	293	18	368	19	1.47
300	18	304	18	388	46	1.38	12	304	12	393	44	1.40	30	304	30	390	45	1.39
310	16	313	16	428	50	1.39	5	312	5	426	24	1.41	21	313	21	427	45	1.40
320	16	325	16	498	51	1.45	13	324	13	496	38	1.45	30	325	30	497	44	1.45
330	28	335	28	532	47	1.42	12	335	12	553	37	1.47	40	335	40	538	45	1.43
340	28	343	28	583	48	1.44	23	344	23	582	59	1.43	52	344	52	582	52	1.43
350	25	354	25	621	45	1.40	22	356	22	641	57	1.43	47	355	47	631	51	1.41
360	30	363	30	645	94	1.35	24	364	24	694	40	1.44	54	364	54	667	78	1.39
370	34	373	34	723	64	1.39	33	375	33	743	90	1.41	67	374	67	733	78	1.40
380	25	385	25	770	62	1.35	36	384	36	767	120	1.36	61	384	61	768	99	1.36
390	26	394	26	809	93	1.32	43	393	43	826	88	1.36	69	393	69	820	89	1.35
400	24	403	24	865	73	1.32	41	404	41	890	95	1.35	66	403	66	882	87	1.34
410	11	413	11	896	72	1.27	28	413	28	953	77	1.35	39	413	39	937	79	1.33
420	8	423	8	1005	90	1.33	23	424	23	1015	76	1.33	31	424	31	1013	78	1.33
430	3	431	3	1017	131	1.27	24	433	24	1083	101	1.33	27	433	27	1076	104	1.33
440	.	.	.	.	.	.	15	445	15	1132	78	1.28	15	445	15	1132	78	1.28
450	.	.	.	.	.	.	6	455	6	1202	105	1.28	6	455	6	1202	105	1.28
460	.	.	.	.	.	.	2	465	2	1185	92	1.18	2	465	2	1185	92	1.18
470	.	.	.	.	.	.	1	476	1	1500	.	1.39	1	476	1	1500	.	1.39
480	.	.	.	.	.	.	1	480	1	1320	.	1.19	1	480	1	1320	.	1.19
490	.	.	.	.	.	.	1	495	1	1630	.	1.34	1	495	1	1630	.	1.34
TOTAL/MEAN	338	349	338	613	210	1.38	416	371	416	742	275	1.39	763	360	763	680	258	1.38

Table 43. Length and weight data, by 10mm fork length intervals, for white sucker caught by gill nets in Home Lake, 1980.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
180	.	.	.	.	.	.	.	.	.	.	.	.	1	187	1	70	.	1.07
190	4	196	4	113	10	1.51	3	196	3	113	16	1.50	7	196	7	113	12	1.50
200	5	204	5	124	11	1.46	3	205	3	127	12	1.47	9	205	9	127	11	1.48
210	4	216	4	140	8	1.40	14	214	14	136	11	1.39	19	215	19	137	10	1.39
220	16	224	16	178	88	1.57	12	225	12	168	17	1.48	28	224	28	174	66	1.53
230	5	234	5	178	13	1.39	11	234	11	179	19	1.39	16	234	16	179	17	1.39
240	7	245	7	211	19	1.44	11	244	11	213	18	1.46	18	244	18	212	18	1.45
250	8	255	8	240	11	1.45	8	254	8	233	21	1.42	16	254	16	236	17	1.44
260	5	265	5	258	18	1.39	5	263	5	262	22	1.44	10	264	10	260	19	1.41
270	7	274	7	309	18	1.50	5	277	5	394	199	1.85	12	275	12	344	129	1.64
280	8	285	8	344	50	1.49	8	282	8	348	15	1.55	16	283	16	346	36	1.52
290	12	295	12	392	24	1.52	10	297	10	413	27	1.58	22	296	22	401	27	1.55
300	17	304	17	420	19	1.50	11	303	11	415	22	1.49	28	304	28	418	20	1.49
310	19	314	19	477	34	1.53	12	314	12	485	16	1.57	31	314	31	480	28	1.55
320	14	324	14	513	36	1.50	9	324	9	533	25	1.57	23	324	23	521	33	1.53
330	23	334	23	559	39	1.50	15	335	15	599	105	1.59	38	334	38	574	74	1.53
340	35	344	35	602	45	1.48	27	345	27	618	43	1.51	62	344	62	609	44	1.49
350	51	355	51	656	38	1.47	29	354	29	669	46	1.51	80	354	80	661	41	1.49
360	50	363	50	684	66	1.42	36	365	36	729	53	1.50	86	364	86	703	64	1.46
370	51	374	51	743	41	1.42	45	374	45	749	45	1.43	96	374	96	746	43	1.43
380	51	384	51	802	57	1.41	49	384	49	813	60	1.43	100	384	100	808	59	1.42
390	40	394	40	858	56	1.41	37	395	37	844	61	1.37	77	394	77	851	58	1.39
400	37	403	37	911	70	1.39	38	404	38	902	67	1.37	75	404	75	906	68	1.38
410	14	412	14	954	51	1.36	47	413	47	956	144	1.35	61	413	61	955	128	1.36
420	6	423	6	995	75	1.32	36	424	36	1044	77	1.37	42	424	42	1037	78	1.36
430	4	432	4	1113	46	1.38	34	433	34	1085	72	1.33	38	433	38	1088	70	1.34
440	1	440	1	1130	.	1.33	15	444	15	1127	83	1.29	16	444	16	1128	80	1.29
450	.	.	.	.	.	.	10	453	10	1223	61	1.31	10	453	10	1223	61	1.31
460	.	.	.	.	.	.	1	463	1	1390	.	1.40	2	463	2	1220	240	1.23
TOTAL/MEAN	494	348	494	640	231	1.45	541	363	541	733	292	1.43	1039	355	1039	687	270	1.44

Table 44. Length and weight data, by 10mm fork length intervals, for white sucker caught by gill nets in Home Lake, 1981.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
200	1	204	1	100	.	1.18	.	.	.	.	.	.	1	204	1	100	.	1.18
220	.	.	.	.	.	.	1	223	1	130	.	1.17	2	222	2	130	0	1.19
250	2	256	2	240	28	1.43	3	257	3	233	21	1.37	5	257	5	236	21	1.39
260	1	260	1	240	.	1.37	1	264	1	280	.	1.52	2	262	2	260	28	1.44
270	7	275	7	291	11	1.41	2	276	2	275	21	1.31	9	275	9	288	14	1.39
280	3	283	3	303	12	1.33	2	285	2	330	0	1.43	5	284	5	314	17	1.37
290	1	291	1	330	.	1.34	1	295	1	380	.	1.48	2	293	2	355	35	1.41
300	1	300	1	390	.	1.44	.	.	.	.	.	.	1	300	1	390	.	1.44
310	1	311	1	500	.	1.66	1	311	1	490	.	1.63	2	311	2	495	7	1.65
320	1	320	1	420	.	1.28	1	323	1	520	.	1.54	2	322	2	470	71	1.41
330	6	332	6	520	59	1.42	3	333	3	553	38	1.50	9	332	9	531	53	1.44
340	2	342	2	535	49	1.32	2	342	2	575	35	1.44	4	342	4	555	42	1.38
350	7	354	7	633	32	1.42	1	352	1	660	.	1.51	8	354	8	636	31	1.43
360	3	361	3	683	21	1.45	1	364	1	780	.	1.62	4	362	4	708	51	1.49
370	4	375	4	725	79	1.37	2	374	2	740	90	1.41	6	375	6	730	76	1.39
380	.	.	.	.	.	.	4	384	4	725	39	1.28	4	384	4	725	39	1.28
390	4	394	4	800	62	1.31	4	391	4	853	24	1.43	8	392	8	826	52	1.37
400	3	404	3	853	121	1.30	4	403	4	878	74	1.34	7	403	7	867	88	1.32
410	3	413	3	907	50	1.29	.	.	.	.	.	.	3	413	3	907	50	1.29
420	1	420	1	930	.	1.26	3	422	3	1013	23	1.35	4	422	4	993	46	1.32
440	.	.	.	.	.	.	1	441	1	1190	.	1.39	1	441	1	1190	.	1.39
470	.	.	.	.	.	.	1	475	1	1140	.	1.06	1	475	1	1140	.	1.06
TOTAL/MEAN	51	334	51	557	228	1.38	38	351	38	648	283	1.39	90	341	90	590	259	1.38

Table 45. Length and weight data, by 10mm fork length intervals, for white sucker caught by gill nets in Home Lake, 1982.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
160	.	.	.	.	.	.	.	.	.	.	.	.	2	166	2	65	7	1.43
170	.	.	.	.	.	.	.	.	.	.	.	.	1	174	1	70	.	1.33
200	.	.	.	.	.	.	1	205	1	160	.	1.86	2	204	2	130	42	1.53
210	2	219	2	140	0	1.33	.	.	.	.	.	.	2	219	2	140	0	1.33
230	.	.	.	.	.	.	2	235	1	180	.	1.35	2	235	1	180	.	1.35
250	1	251	1	220	.	1.39	.	.	.	.	.	.	1	251	1	220	.	1.39
260	.	.	.	.	.	.	1	269	1	300	.	1.54	1	269	1	300	.	1.54
270	2	275	2	295	7	1.43	1	275	1	310	.	1.49	4	275	4	305	13	1.46
280	2	284	2	350	14	1.54	.	.	.	.	.	.	2	284	2	350	14	1.54
290	1	295	1	410	.	1.60	1	293	1	360	.	1.43	2	294	2	385	35	1.51
300	1	303	1	440	.	1.58	1	301	1	400	.	1.47	2	302	2	420	28	1.52
310	2	312	2	460	14	1.52	1	310	1	420	.	1.41	3	311	3	447	25	1.48
320	3	327	3	507	6	1.44	3	323	3	500	10	1.48	6	325	6	503	8	1.46
330	2	335	2	565	21	1.51	.	.	.	.	.	.	2	335	2	565	21	1.51
340	4	345	4	633	34	1.54	4	344	4	630	18	1.55	8	345	8	631	25	1.54
350	3	351	3	720	82	1.66	1	356	1	690	.	1.53	4	353	4	713	68	1.63
360	5	366	5	744	71	1.52	4	365	4	778	92	1.60	9	365	9	759	77	1.55
370	7	373	7	773	75	1.49	4	376	4	853	44	1.61	11	374	11	802	75	1.53
380	6	385	6	850	46	1.50	4	384	4	920	44	1.62	10	384	10	878	56	1.55
390	9	396	9	902	61	1.46	9	395	9	922	55	1.50	18	395	18	912	57	1.48
400	7	406	7	1001	68	1.50	10	406	10	1067	41	1.59	17	406	17	1040	62	1.56
410	5	415	5	1032	64	1.45	6	415	6	1110	83	1.55	11	415	11	1075	82	1.50
420	1	423	1	1150	.	1.52	12	423	12	1179	74	1.55	13	423	13	1177	71	1.55
430	2	432	2	1020	57	1.27	7	434	7	1240	142	1.52	9	433	9	1191	158	1.46
440	.	.	.	.	.	.	2	445	2	1350	99	1.54	2	445	2	1350	99	1.54
450	.	.	.	.	.	.	4	454	4	1345	84	1.44	4	454	4	1345	84	1.44
470	.	.	.	.	.	.	1	471	1	1510	.	1.45	1	471	1	1510	.	1.45
TOTAL/MEAN	65	363	65	748	251	1.49	79	389	78	963	308	1.54	149	371	148	840	327	1.51

Table 46. Length and weight data, by 10mm fork length intervals, for yellow perch caught by gill nets in Home Lake, 1979.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
170	4	176	4	77	6	1.41	6	176	6	75	5	1.39	10	176	10	76	5	1.40
180	3	186	3	88	5	1.36	5	182	5	89	3	1.46	8	184	8	89	4	1.43
190	2	193	2	91	6	1.27	4	195	4	103	5	1.40	6	194	6	99	8	1.35
200	2	203	2	120	14	1.44	11	203	11	113	12	1.35	13	203	13	114	12	1.37
210	5	215	5	136	5	1.38	1	218	1	150	.	1.45	6	215	6	139	7	1.39
220	5	222	5	147	6	1.33	2	221	2	154	2	1.42	7	222	7	149	6	1.36
230	5	232	5	183	14	1.46	6	233	6	178	18	1.41	11	233	11	180	16	1.43
240	.	.	.	.	.	.	4	243	4	211	11	1.48	4	243	4	211	11	1.48
250	1	255	1	244	.	1.47	2	254	2	215	7	1.32	3	254	3	225	17	1.37
260	2	265	2	287	16	1.54	2	266	2	265	21	1.41	4	265	4	276	20	1.48
270	1	272	1	270	.	1.34	2	276	2	300	0	1.43	3	275	3	290	17	1.40
300	.	.	.	.	.	.	1	300	1	372	.	1.38	1	300	1	372	.	1.38
TOTAL/MEAN	30	215	30	147	62	1.40	46	215	46	149	71	1.40	76	215	76	148	67	1.40

Table 47. Length and weight data, by 10mm fork length intervals, for yellow perch caught by gill nets in Home Lake, 1980.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
160	.	.	.	.	.	.	1	167	1	74	.	1.59	1	167	1	74	.	1.59
170	1	174	1	78	.	1.48	1	175	1	90	.	1.68	2	175	2	84	8	1.58
180	4	185	4	92	6	1.47	11	185	11	89	8	1.41	15	185	15	90	7	1.42
190	5	193	5	100	0	1.39	18	195	18	101	9	1.36	23	194	23	101	8	1.37
200	2	205	2	112	3	1.31	8	205	8	117	16	1.36	10	205	10	116	14	1.35
210	8	214	8	141	19	1.43	5	212	5	129	14	1.35	13	213	13	137	18	1.40
220	6	224	6	163	15	1.44	10	224	10	163	9	1.44	16	224	16	163	11	1.44
230	4	232	4	182	21	1.45	5	234	5	198	34	1.55	9	233	9	191	29	1.50
240	2	241	2	210	0	1.50	4	244	4	224	18	1.55	6	243	6	220	16	1.53
250	2	255	2	255	21	1.54	6	252	6	232	15	1.45	8	253	8	237	19	1.47
260	.	.	.	.	.	.	4	263	4	263	29	1.45	4	263	4	263	29	1.45
270	2	274	2	290	14	1.41	1	274	1	296	.	1.44	3	274	3	292	11	1.42
TOTAL/MEAN	36	217	36	153	57	1.44	74	214	74	146	60	1.42	110	215	110	148	59	1.43

Table 48. Length and weight data, by 10mm fork length intervals, for lake whitefish caught by gill nets in Home Lake, 1980.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
220	.	.	.	.	.	.	2	225	2	152	11	1.34	2	225	2	152	11	1.34
270	1	278	1	300	.	1.40	2	273	2	330	42	1.62	3	275	3	320	35	1.54
280	1	283	1	330	.	1.46	2	282	2	340	57	1.52	3	282	3	337	40	1.50
290	2	296	2	430	14	1.66	3	294	3	387	6	1.52	5	295	5	404	25	1.57
300	4	308	4	465	13	1.59	2	306	2	460	28	1.60	6	307	6	463	16	1.60
310	1	310	1	490	.	1.64	1	319	1	510	.	1.57	2	315	2	500	14	1.61
370	2	372	2	840	28	1.63	.	.	.	.	.	.	2	372	2	840	28	1.63
390	1	399	1	1110	.	1.75	3	393	3	1007	6	1.66	4	394	4	1033	52	1.68
400	2	401	2	1140	198	1.77	1	405	1	1020	.	1.54	3	402	3	1100	156	1.69
420	1	423	1	1230	.	1.63	3	425	3	1203	90	1.57	4	425	4	1210	74	1.58
430	1	435	1	1480	.	1.80	3	431	3	1183	278	1.47	4	432	4	1258	271	1.55
440	3	443	3	1400	82	1.61	3	441	3	1340	53	1.56	6	442	6	1370	70	1.58
450	2	454	2	1720	255	1.83	3	455	3	1577	93	1.67	5	455	5	1634	163	1.74
460	2	467	2	1760	28	1.73	3	465	3	1457	55	1.45	5	465	5	1578	171	1.56
470	2	477	2	1625	64	1.50	3	474	3	1560	140	1.46	5	475	5	1586	110	1.47
480	2	487	2	1990	127	1.72	1	480	1	1720	.	1.56	3	485	3	1900	180	1.67
490	2	497	2	1910	127	1.56	2	493	2	1660	198	1.39	4	495	4	1785	198	1.47
TOTAL/MEAN	29	400	29	1167	592	1.64	37	392	37	1034	525	1.53	66	395	66	1092	555	1.58

Table 49. Length and weight data, by 10mm fork length intervals, for lake whitefish caught by gill nets in Home Lake, 1982.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
290	2	298	2	390	0	1.47	.	.	.	.	.	.	2	298	2	390	0	1.47
300	1	300	1	420	.	1.56	1	303	1	420	.	1.51	2	302	2	420	0	1.53
310	3	316	3	437	6	1.39	5	314	5	474	18	1.54	8	314	8	460	24	1.48
320	2	325	2	525	21	1.54	3	324	3	527	31	1.56	5	324	5	526	24	1.55
330	3	334	3	557	25	1.49	1	337	1	620	.	1.62	4	335	4	573	38	1.52
340	1	340	1	570	.	1.45	.	.	.	.	.	.	1	340	1	570	.	1.45
350	3	352	3	713	60	1.64	.	.	.	.	.	.	3	352	3	713	60	1.64
360	1	368	1	870	.	1.75	2	368	2	815	35	1.64	3	368	3	833	40	1.68
380	2	387	2	920	113	1.59	.	.	.	.	.	.	2	387	2	920	113	1.59
390	.	.	.	.	.	.	1	393	1	960	.	1.58	1	393	1	960	.	1.58
400	2	404	2	1130	42	1.71	1	406	1	1260	.	1.88	3	405	3	1173	81	1.77
410	1	412	1	1230	.	1.76	1	413	1	1120	.	1.59	2	413	2	1175	78	1.67
420	1	425	1	1220	.	1.59	1	421	1	1360	.	1.82	2	423	2	1290	99	1.71
430	1	439	1	1440	.	1.70	1	434	1	1630	.	1.99	2	437	2	1535	134	1.85
440	1	448	1	1620	.	1.80	1	445	1	1640	.	1.86	2	447	2	1630	14	1.83
450	1	450	1	1660	.	1.82	3	453	3	1677	55	1.80	4	452	4	1673	46	1.81
460	.	.	.	.	.	.	2	461	2	1760	198	1.80	2	461	2	1760	198	1.80
470	1	475	1	1680	.	1.57	.	.	.	.	.	.	1	475	1	1680	.	1.57
480	.	.	.	.	.	.	1	480	1	1850	.	1.67	1	480	1	1850	.	1.67
TOTAL/MEAN	26	365	26	837	423	1.58	24	383	24	1041	547	1.67	50	374	50	935	492	1.63

Table 50. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Demarch Lake, 1977.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
210	.	.	.	.	.	.	1	214	1	90	.	0.92	1	214	1	90	.	0.92
250	1	254	1	170	.	1.04	1	251	1	160	.	1.01	2	253	2	165	7	1.02
268	.	.	.	.	.	.	.	.	.	.	.	.	1	268	1	210	.	1.09
290	.	.	.	.	.	.	.	.	.	.	.	.	1	290	1	270	.	1.11
300	.	.	.	.	.	.	3	305	3	320	20	1.13	3	305	3	320	20	1.13
310	.	.	.	.	.	.	1	317	1	320	.	1.00	2	318	2	330	14	1.03
320	.	.	.	.	.	.	1	325	1	360	.	1.05	1	325	1	360	.	1.05
330	1	332	1	390	.	1.07	2	332	2	370	0	1.02	4	332	4	378	10	1.03
340	1	348	1	450	.	1.07	1	343	1	480	.	1.19	2	346	2	465	21	1.13
350	1	355	1	460	.	1.03	3	358	3	503	50	1.10	4	357	4	493	46	1.08
360	4	366	4	513	52	1.05	6	363	6	521	44	1.09	10	364	10	518	45	1.07
370	1	371	1	565	.	1.11	4	374	4	593	17	1.13	5	374	5	587	19	1.13
380	1	388	1	665	.	1.14	8	385	8	624	28	1.09	9	386	9	628	30	1.10
390	4	396	4	651	10	1.05	9	393	9	652	29	1.07	13	394	13	652	24	1.06
400	5	403	5	711	24	1.09	9	405	9	713	28	1.07	14	404	14	713	25	1.08
410	3	416	3	772	82	1.07	5	415	5	756	61	1.06	8	416	8	762	64	1.06
420	2	427	2	865	49	1.12	15	424	15	802	43	1.05	17	424	17	809	47	1.06
430	4	435	4	833	104	1.01	11	435	11	867	44	1.06	15	435	15	858	63	1.04
440	4	444	4	863	36	0.99	14	444	14	893	54	1.02	18	444	18	886	51	1.01
450	1	450	1	850	.	0.93	9	453	9	978	55	1.05	10	453	10	965	66	1.04
460	.	.	.	.	.	.	6	465	6	1018	75	1.02	6	465	6	1018	75	1.02
470	1	472	1	970	.	0.92	3	475	3	1128	63	1.06	4	474	4	1089	94	1.02
480	.	.	.	.	.	.	8	483	8	1096	91	0.97	8	483	8	1096	91	0.97
490	.	.	.	.	.	.	3	494	3	1202	84	1.00	3	494	3	1202	84	1.00
510	.	.	.	.	.	.	2	514	2	1465	191	1.08	2	514	2	1465	191	1.08
520	.	.	.	.	.	.	1	527	1	1360	.	0.93	1	527	1	1360	.	0.93
540	.	.	.	.	.	.	2	543	2	1800	120	1.12	2	543	2	1800	120	1.12
570	.	.	.	.	.	.	1	577	1	2050	.	1.07	1	577	1	2050	.	1.07
TOTAL/MEAN	34	401	34	693	180	1.05	129	421	129	820	296	1.05	167	414	167	782	287	1.05

Table 51. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Demarch Lake, 1978.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
260	1	262	1	180	.	1.00	1	264	1	180	.	0.98	2	263	2	180	0	0.99
280	1	284	1	240	.	1.05	1	280	1	190	.	0.87	2	282	2	215	35	0.96
290	.	.	.	.	.	.	1	297	1	230	.	0.88	1	297	1	230	.	0.88
300	1	304	1	300	.	1.07	1	308	1	300	.	1.03	2	306	2	300	0	1.05
310	.	.	.	.	.	.	1	318	1	330	.	1.03	1	318	1	330	.	1.03
320	.	.	.	.	.	.	4	326	4	358	22	1.03	4	326	4	358	22	1.03
330	2	331	2	355	21	0.98	3	335	3	387	12	1.03	5	333	5	374	22	1.01
340	2	344	2	425	7	1.05	2	347	2	465	21	1.12	4	345	4	445	26	1.08
350	1	350	1	390	.	0.91	3	354	3	467	29	1.05	4	353	4	448	45	1.01
360	2	363	2	478	25	1.00	.	.	.	.	.	.	2	363	2	478	25	1.00
370	.	.	.	.	.	.	3	378	3	577	23	1.07	3	378	3	577	23	1.07
380	.	.	.	.	.	.	2	382	2	600	0	1.08	2	382	2	600	0	1.08
390	.	.	.	.	.	.	2	391	2	630	42	1.06	2	391	2	630	42	1.06
400	1	400	1	670	.	1.05	.	.	.	.	.	.	1	400	1	670	.	1.05
410	1	418	1	760	.	1.04	1	417	1	840	.	1.16	2	418	2	800	57	1.10
420	1	420	1	820	.	1.11	2	425	2	728	4	0.95	3	423	3	758	53	1.00
430	1	437	1	780	.	0.93	2	434	2	608	301	0.74	3	435	3	665	235	0.81
440	.	.	.	.	.	.	2	442	2	930	28	1.08	2	442	2	930	28	1.08
450	.	.	.	.	.	.	2	456	2	888	11	0.94	2	456	2	888	11	0.94
460	.	.	.	.	.	.	1	467	1	1200	.	1.18	1	467	1	1200	.	1.18
470	.	.	.	.	.	.	2	475	2	1065	290	0.99	2	475	2	1065	290	0.99
480	.	.	.	.	.	.	1	480	1	1250	.	1.13	1	480	1	1250	.	1.13
490	.	.	.	.	.	.	1	492	1	1100	.	0.92	1	492	1	1100	.	0.92
TOTAL/MEAN	14	353	14	475	205	1.02	38	382	38	610	295	1.02	52	375	52	573	279	1.02

Table 52. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Demarch Lake, 1979.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
190	1	195	1	65	.	0.88	.	.	.	.	.	.	1	195	1	65	.	0.88
200	2	208	2	84	6	0.94	.	.	.	.	.	.	2	208	2	84	6	0.94
210	.	.	.	.	.	.	2	214	2	94	1	0.96	2	214	2	94	1	0.96
220	1	220	1	108	.	1.01	1	220	1	100	.	0.94	2	220	2	104	6	0.98
230	.	.	.	.	.	.	1	236	1	120	.	0.91	1	236	1	120	.	0.91
240	1	248	1	164	.	1.08	1	242	1	140	.	0.99	2	245	2	152	17	1.03
260	2	262	2	195	21	1.08	2	267	2	200	14	1.05	4	265	4	198	15	1.07
270	1	277	1	210	.	0.99	2	271	2	215	7	1.08	3	273	3	213	6	1.05
280	.	.	.	.	.	.	1	289	1	260	.	1.08	1	289	1	260	.	1.08
290	1	293	1	260	.	1.03	2	298	2	259	16	0.98	3	296	3	259	11	1.00
300	.	.	.	.	.	.	1	306	1	300	.	1.05	1	306	1	300	.	1.05
310	2	316	2	365	35	1.16	2	316	2	345	35	1.09	4	316	4	355	31	1.12
320	3	327	3	370	17	1.06	4	327	4	378	17	1.08	7	327	7	374	16	1.07
330	8	335	8	415	22	1.11	7	334	7	403	33	1.08	15	334	15	409	27	1.10
340	5	345	5	472	24	1.15	5	347	5	450	23	1.08	10	346	10	461	25	1.12
350	3	353	3	520	50	1.18	2	356	2	485	21	1.08	5	354	5	506	42	1.14
360	5	364	5	540	35	1.12	11	364	11	545	24	1.13	16	364	16	543	27	1.13
370	4	374	4	598	48	1.14	8	375	8	581	31	1.10	12	375	12	587	36	1.11
380	1	388	1	650	.	1.11	14	382	14	625	26	1.12	15	383	15	627	26	1.12
390	2	395	2	745	35	1.21	7	394	7	674	56	1.10	9	394	9	690	59	1.13
400	1	408	1	800	.	1.18	8	406	8	710	47	1.06	9	406	9	720	53	1.08
410	3	415	3	680	303	0.94	7	414	7	753	101	1.06	10	415	10	731	168	1.02
420	4	421	4	818	29	1.09	9	424	9	828	50	1.09	13	423	13	825	44	1.09
430	1	430	1	900	.	1.13	10	433	10	905	49	1.11	11	433	11	905	47	1.12
440	1	444	1	1000	.	1.14	6	444	6	993	62	1.14	7	444	7	994	57	1.14
450	1	453	1	910	.	0.98	8	454	8	1010	56	1.08	9	454	9	999	62	1.07
460	.	.	.	.	.	.	6	465	6	1125	66	1.12	6	465	6	1125	66	1.12
470	1	470	1	1100	.	1.06	2	473	2	1235	163	1.17	3	472	3	1190	139	1.13
480	.	.	.	.	.	.	1	485	1	1140	.	1.00	1	485	1	1140	.	1.00
490	.	.	.	.	.	.	3	498	3	1350	92	1.10	3	498	3	1350	92	1.10
500	.	.	.	.	.	.	1	505	1	1380	.	1.07	1	505	1	1380	.	1.07
510	.	.	.	.	.	.	2	513	2	1620	141	1.20	2	513	2	1620	141	1.20
TOTAL/MEAN	54	350	54	513	246	1.09	136	390	136	701	311	1.09	190	379	190	647	305	1.09

Table 53. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Demarch Lake, 1980.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
250	.	.	.	.	.	.	2	257	2	172	6	1.01	2	257	2	172	6	1.01
260	2	265	2	196	8	1.05	.	.	.	.	.	.	2	265	2	196	8	1.05
270	1	273	1	196	.	0.96	3	275	3	225	15	1.08	4	275	4	218	19	1.05
280	3	283	3	221	18	0.98	4	285	4	231	1	1.00	7	284	7	227	12	0.99
290	1	297	1	252	.	0.96	2	293	2	440	283	1.77	3	294	3	377	228	1.50
300	1	302	1	300	.	1.09	2	305	2	303	53	1.06	3	304	3	302	38	1.07
310	3	314	3	327	15	1.05	4	315	4	315	24	1.01	7	314	7	320	20	1.03
320	2	323	2	370	28	1.10	5	324	5	370	12	1.09	7	324	7	370	15	1.09
330	6	336	6	405	26	1.07	4	337	4	398	5	1.04	10	336	10	402	20	1.06
340	4	345	4	428	21	1.05	9	345	9	433	33	1.06	13	345	13	432	29	1.05
350	4	355	4	490	29	1.09	16	355	16	492	41	1.10	20	355	20	492	38	1.10
360	9	364	9	536	35	1.11	17	366	17	516	28	1.06	26	365	26	523	31	1.07
370	2	372	2	560	14	1.09	10	374	10	584	25	1.11	12	374	12	580	24	1.11
380	5	386	5	630	45	1.10	11	386	11	623	32	1.08	16	386	16	625	35	1.09
390	1	395	1	700	.	1.14	18	395	18	641	27	1.04	19	395	19	644	30	1.04
400	2	403	2	680	0	1.04	9	406	9	763	109	1.14	11	405	11	748	103	1.12
410	2	410	2	770	57	1.12	7	415	7	771	37	1.08	9	414	9	771	38	1.09
420	2	426	2	815	49	1.06	3	424	3	803	21	1.05	5	425	5	808	29	1.05
430	.	.	.	.	.	.	3	433	3	853	47	1.05	3	433	3	853	47	1.05
440	.	.	.	.	.	.	2	444	2	975	35	1.12	2	444	2	975	35	1.12
460	.	.	.	.	.	.	2	465	2	1035	177	1.03	2	465	2	1035	177	1.03
470	.	.	.	.	.	.	6	473	6	1170	63	1.10	6	473	6	1170	63	1.10
480	.	.	.	.	.	.	2	483	2	1225	134	1.09	2	483	2	1225	134	1.09
490	.	.	.	.	.	.	1	490	1	1280	.	1.09	1	490	1	1280	.	1.09
500	.	.	.	.	.	.	1	502	1	1350	.	1.07	1	502	1	1350	.	1.07
520	.	.	.	.	.	.	1	521	1	1600	.	1.13	1	521	1	1600	.	1.13
570	.	.	.	.	.	.	1	578	1	2570	.	1.33	1	578	1	2570	.	1.33
600	.	.	.	.	.	.	1	606	1	2710	.	1.22	1	606	1	2710	.	1.22
TOTAL/MEAN	50	350	50	479	167	1.07	146	380	146	638	348	1.08	196	372	196	597	319	1.08

Table 54. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Demarch Lake, 1981.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
220	2	224	2	115	7	1.03	.	.	.	.	.	.	2	224	2	115	7	1.03
230	.	.	.	.	.	.	3	235	3	130	17	1.00	3	235	3	130	17	1.00
240	.	.	.	.	.	.	1	246	1	150	.	1.01	1	246	1	150	.	1.01
250	1	253	1	140	.	0.86	.	.	.	.	.	.	1	253	1	140	.	0.86
260	.	.	.	.	.	.	1	261	1	160	.	0.90	1	261	1	160	.	0.90
280	1	285	1	260	.	1.12	.	.	.	.	.	.	1	285	1	260	.	1.12
290	.	.	.	.	.	.	1	293	1	260	.	1.03	1	293	1	260	.	1.03
300	3	304	3	293	21	1.05	2	309	2	310	14	1.05	5	306	5	300	19	1.05
310	8	315	8	318	27	1.02	8	314	8	320	19	1.04	16	314	16	319	23	1.03
320	2	323	2	340	28	1.01	7	324	7	353	18	1.04	9	323	9	350	19	1.03
330	9	335	9	383	25	1.02	5	334	5	370	27	1.00	14	335	14	379	26	1.01
340	4	344	4	443	17	1.09	2	347	2	460	42	1.10	6	345	6	448	25	1.09
350	5	354	5	496	48	1.12	4	356	4	500	16	1.11	9	354	9	498	36	1.12
360	1	364	1	540	.	1.12	3	366	3	540	17	1.10	4	365	4	540	14	1.11
370	7	376	7	581	46	1.10	6	376	6	548	61	1.03	13	376	13	566	54	1.07
380	3	383	3	620	53	1.11	6	384	6	613	38	1.08	9	384	9	616	40	1.09
390	2	397	2	685	92	1.10	5	394	5	662	39	1.08	7	395	7	669	50	1.08
400	1	409	1	680	.	0.99	4	404	4	753	10	1.15	5	405	5	738	33	1.12
410	5	415	5	806	30	1.12	1	414	1	750	.	1.06	6	415	6	797	35	1.11
420	3	425	3	777	67	1.01	4	425	4	823	48	1.07	7	425	7	803	57	1.05
430	1	437	1	930	.	1.11	2	435	2	910	14	1.11	3	435	3	917	15	1.11
450	.	.	.	.	.	.	1	451	1	970	.	1.06	1	451	1	970	.	1.06
TOTAL/MEAN	58	351	58	487	196	1.06	66	354	66	502	209	1.06	124	353	124	495	202	1.06

Table 55. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Demarch Lake, 1982.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
220	.	.	.	.	.	.	1	225	1	80	.	0.70	1	225	1	80	.	0.70
230	.	.	.	.	.	.	1	238	1	160	.	1.19	1	238	1	160	.	1.19
250	1	257	1	200	.	1.18	.	.	.	.	.	.	1	257	1	200	.	1.18
260	1	260	1	160	.	0.91	.	.	.	.	.	.	1	260	1	160	.	0.91
270	.	.	.	.	.	.	1	279	1	230	.	1.06	1	279	1	230	.	1.06
280	1	285	1	240	.	1.04	5	286	5	246	31	1.05	6	286	6	245	28	1.05
290	3	293	3	247	12	0.98	2	294	2	230	42	0.91	5	294	5	240	24	0.95
300	.	.	.	.	.	.	2	303	2	250	42	0.90	2	303	2	250	42	0.90
310	2	312	2	335	49	1.10	.	.	.	.	.	.	2	312	2	335	49	1.10
330	2	334	2	420	0	1.13	1	337	1	420	.	1.10	3	335	3	420	0	1.12
340	2	347	2	450	14	1.08	.	.	.	.	.	.	2	347	2	450	14	1.08
350	4	354	4	465	24	1.05	1	357	1	480	.	1.05	5	355	5	468	22	1.05
360	1	365	1	570	.	1.17	6	366	6	488	30	1.00	7	366	7	500	41	1.02
370	.	.	.	.	.	.	5	375	5	576	43	1.09	5	375	5	576	43	1.09
380	5	384	5	634	80	1.12	3	382	3	620	20	1.11	8	384	8	629	62	1.11
390	2	392	2	670	71	1.12	5	393	5	662	36	1.09	7	393	7	664	42	1.10
400	1	406	1	820	.	1.23	5	406	5	708	11	1.06	6	406	6	727	47	1.09
410	.	.	.	.	.	.	4	413	4	760	28	1.08	4	413	4	760	28	1.08
420	.	.	.	.	.	.	3	423	3	850	50	1.12	3	423	3	850	50	1.12
430	.	.	.	.	.	.	5	433	5	908	124	1.12	5	433	5	908	124	1.12
440	1	445	1	980	.	1.11	1	440	1	890	.	1.04	2	443	2	935	64	1.08
450	.	.	.	.	.	.	2	457	2	1005	7	1.06	2	457	2	1005	7	1.06
460	1	463	1	1080	.	1.09	1	462	1	1230	.	1.25	2	463	2	1155	106	1.17
480	.	.	.	.	.	.	1	482	1	1300	.	1.16	1	482	1	1300	.	1.16
530	.	.	.	.	.	.	1	538	1	1680	.	1.08	1	538	1	1680	.	1.08
TOTAL/MEAN	27	351	27	503	232	1.08	56	378	56	631	308	1.06	83	369	83	589	290	1.07

Table 56. Length and weight data, by age, for walleye caught by gill nets in Demarch Lake, 1977.

AGE (years)	MALES							FEMALES							COMBINED						
	LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)			
	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K
2	.	.	.	.	.	.	.	1	214	.	1	90	.	0.92	1	214	.	1	90	.	0.92
3	.	.	.	.	.	.	.	1	251	.	1	160	.	1.01	1	251	.	1	160	.	1.01
4	.	.	.	.	.	.	.	1	309	.	1	340	.	1.15	1	309	.	1	340	.	1.15
5	1	348	.	1	450	.	1.07	2	309	11	2	310	14	1.05	3	322	24	3	357	81	1.06
6	3	352	18	3	467	80	1.07	8	363	33	8	524	142	1.07	11	360	30	11	509	127	1.07
7	3	365	3	3	500	56	1.03	15	383	21	15	621	96	1.10	18	380	20	18	601	101	1.09
8	3	391	3	3	650	13	1.09	4	392	10	4	640	64	1.06	7	391	7	7	644	46	1.07
9	2	402	4	2	683	32	1.05	19	430	23	19	838	129	1.05	21	427	23	21	823	131	1.05
10	2	414	20	2	770	85	1.08	16	432	17	16	858	104	1.06	18	430	18	18	848	103	1.06
11	4	427	19	4	819	87	1.06	13	449	40	13	973	318	1.05	17	444	37	17	936	286	1.05
12	4	442	25	4	870	100	1.01	12	460	27	12	1013	175	1.03	16	456	27	16	978	169	1.03
13	1	432	.	1	910	.	1.13	3	477	7	3	1023	94	0.94	4	466	23	4	995	95	0.99
14	1	418	.	1	865	.	1.18	4	487	40	4	1270	308	1.09	5	473	47	5	1189	323	1.11
15	1	441	.	1	910	.	1.06	1	510	.	1	1600	.	1.21	2	476	49	2	1255	488	1.13
17	.	.	.	.	.	.	.	1	577	.	1	2050	.	1.07	1	577	.	1	2050	.	1.07
TOTAL/MEAN	25	403	36	25	706	174	1.06	101	421	56	101	827	309	1.06	126	417	53	126	803	291	1.06

Table 57. Length and weight data, by age, for walleye caught by gill nets in Demarch Lake, 1980.

AGE (years)	MALES							FEMALES							COMBINED						
	LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)			
	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K
3	4	271	8	4	198	6	1.00	9	278	13	9	216	26	1.01	13	276	12	13	210	23	1.00
4	8	307	18	8	303	58	1.03	11	317	18	11	341	58	1.06	19	313	18	19	325	60	1.05
5	8	333	13	8	396	45	1.07	20	348	12	20	438	49	1.03	28	344	14	28	426	51	1.05
6	8	360	15	8	499	64	1.07	24	367	21	24	523	77	1.05	32	365	19	32	517	73	1.06
7	3	360	19	3	507	86	1.08	12	382	18	12	611	82	1.09	15	378	19	15	590	90	1.09
8	5	364	6	5	542	34	1.12	25	385	19	25	636	86	1.11	30	381	19	30	620	87	1.12
9	6	382	20	6	608	118	1.08	14	400	30	14	696	158	1.08	20	394	29	20	670	150	1.08
10	4	389	15	4	658	43	1.12	9	431	28	9	901	212	1.11	13	418	32	13	826	210	1.11
11	1	389	.	1	700	.	1.19	3	409	20	3	803	216	1.18	4	404	19	4	778	184	1.18
12	.	.	.	.	.	.	.	1	447	.	1	1000	.	1.12	1	447	.	1	1000	.	1.12
13	1	410	.	1	730	.	1.06	4	454	46	4	1023	320	1.07	5	445	45	5	964	306	1.07
14	.	.	.	.	.	.	.	4	448	60	4	1038	454	1.10	4	448	60	4	1038	454	1.10
15	1	427	.	1	850	.	1.09	6	464	29	6	1060	215	1.05	7	459	30	7	1030	212	1.05
16	1	424	.	1	780	.	1.02	2	540	93	2	1920	1117	1.14	3	501	94	3	1540	1028	1.10
17	.	.	.	.	.	.	.	1	578	.	1	2570	.	1.33	1	578	.	1	2570	.	1.33
TOTAL/MEAN	50	350	41	50	479	167	1.07	145	380	56	145	638	349	1.07	195	373	54	195	597	319	1.07

Table 58. Length and weight data, by age, for walleye caught by gill nets in Demarch Lake, 1981.

AGE (years)	MALES							FEMALES							COMBINED						
	LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)			
	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K
3	3	234	17	3	123	15	0.97	5	255	24	5	162	58	0.95	8	247	23	8	148	49	0.96
4	16	320	14	16	336	48	1.03	15	315	24	15	325	56	1.03	31	318	20	31	331	51	1.03
5	8	330	19	8	379	66	1.05	12	339	21	12	419	83	1.07	20	335	20	20	403	78	1.06
6	9	352	18	9	476	86	1.08	10	367	28	10	524	109	1.05	19	360	25	19	501	99	1.06
7	9	378	15	9	582	54	1.08	9	396	20	9	668	105	1.07	18	387	19	18	625	92	1.07
8	.	.	.	.	.	.	.	5	391	22	5	666	101	1.11	5	391	22	5	666	101	1.11
9	2	379	2	2	650	42	1.20	4	385	16	4	653	86	1.14	6	383	13	6	652	69	1.16
10	3	404	18	3	727	110	1.09	3	421	18	3	817	76	1.09	6	413	18	6	772	98	1.09
11	1	399	.	1	750	.	1.18	2	427	4	2	900	28	1.16	3	418	16	3	850	89	1.16
12	3	425	6	3	827	21	1.08	.	.	.	.	.	.	.	3	425	6	3	827	21	1.08
13	1	418	.	1	780	.	1.07	1	451	.	1	970	.	1.06	2	435	23	2	875	134	1.06
14	1	412	.	1	820	.	1.17	.	.	.	.	.	.	.	1	412	.	1	820	.	1.17
15	2	429	12	2	815	163	1.03	.	.	.	.	.	.	.	2	429	12	2	815	163	1.03
TOTAL/MEAN	58	351	47	58	487	196	1.06	66	354	50	66	502	209	1.06	124	353	49	124	495	202	1.06

Table 59. Length and weight data, by 10mm fork length intervals, for northern pike caught by gill nets in Demarch Lake, 1977.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
320	.	.	.	.	.	.	.	.	.	.	.	.	1	328	1	230	.	0.65
350	.	.	.	.	.	.	.	.	.	.	.	.	1	354	1	300	.	0.68
360	.	.	.	.	.	.	.	.	.	.	.	.	2	367	2	320	14	0.65
370	.	.	.	.	.	.	.	.	.	.	.	.	1	377	1	405	.	0.76
380	.	.	.	.	.	.	2	384	2	358	25	0.63	4	385	4	379	33	0.67
390	.	.	.	.	.	.	.	.	.	.	.	.	2	393	2	375	21	0.62
400	1	401	1	440	.	0.68	1	402	1	415	.	0.64	4	405	4	428	14	0.65
410	1	419	1	455	.	0.62	.	.	.	.	.	.	4	415	4	446	42	0.62
420	.	.	.	.	.	.	.	.	.	.	.	.	3	423	3	538	24	0.71
430	.	.	.	.	.	.	.	.	.	.	.	.	1	438	1	660	.	0.79
440	.	.	.	.	.	.	.	.	.	.	.	.	3	447	3	567	50	0.63
460	.	.	.	.	.	.	.	.	.	.	.	.	5	462	5	681	51	0.69
470	.	.	.	.	.	.	.	.	.	.	.	.	1	477	1	780	.	0.72
480	.	.	.	.	.	.	.	.	.	.	.	.	2	488	2	705	64	0.61
490	.	.	.	.	.	.	.	.	.	.	.	.	1	497	1	810	.	0.66
510	.	.	.	.	.	.	.	.	.	.	.	.	2	517	2	915	78	0.66
530	1	539	1	935	.	0.60	.	.	.	.	.	.	2	538	2	938	4	0.60
540	.	.	.	.	.	.	.	.	.	.	.	.	1	544	1	1050	.	0.65
560	.	.	.	.	.	.	1	563	1	1155	.	0.65	1	563	1	1155	.	0.65
570	.	.	.	.	.	.	.	.	.	.	.	.	1	575	1	1300	.	0.68
590	.	.	.	.	.	.	1	593	1	1130	.	0.54	1	593	1	1130	.	0.54
610	.	.	.	.	.	.	1	615	1	1410	.	0.61	1	615	1	1410	.	0.61
640	.	.	.	.	.	.	.	.	.	.	.	.	1	644	1	1760	.	0.66
720	.	.	.	.	.	.	.	.	.	.	.	.	1	723	1	2620	.	0.69
760	.	.	.	.	.	.	.	.	.	.	.	.	1	767	1	3660	.	0.81
780	.	.	.	.	.	.	.	.	.	.	.	.	1	785	1	3310	.	0.68
870	1	873	1	5030	.	0.76	.	.	.	.	.	.	1	873	1	5030	.	0.76
880	1	888	1	6240	.	0.89	1	885	1	5380	.	0.78	2	887	2	5810	608	0.83
TOTAL/MEAN	5	624	5	2620	2792	0.71	7	547	7	1458	1784	0.64	51	495	51	1088	1325	0.67

Table 60. Length and weight data, by 10mm fork length intervals, for northern pike caught by gill nets in Demarch Lake, 1979.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
290	.	.	.	.	.	.	2	293	2	185	7	0.74	2	293	2	185	7	0.74
300	1	302	1	180	.	0.65	1	302	1	210	.	0.76	2	302	2	195	21	0.71
310	1	316	1	200	.	0.63	.	.	.	.	.	.	1	316	1	200	.	0.63
330	1	337	1	250	.	0.65	.	.	.	.	.	.	1	337	1	250	.	0.65
340	2	347	2	230	71	0.55	.	.	.	.	.	.	2	347	2	230	71	0.55
350	2	355	2	315	7	0.71	2	351	2	295	21	0.68	4	353	4	305	17	0.70
360	1	369	1	340	.	0.68	.	.	.	.	.	.	1	369	1	340	.	0.68
370	1	373	1	360	.	0.69	1	375	1	320	.	0.61	2	374	2	340	28	0.65
380	5	385	5	396	15	0.70	1	386	1	420	.	0.73	6	385	6	400	17	0.70
400	.	.	.	.	.	.	2	407	2	423	67	0.63	2	407	2	423	67	0.63
410	.	.	.	.	.	.	3	414	3	477	29	0.67	3	414	3	477	29	0.67
420	1	429	1	490	.	0.62	1	429	1	520	.	0.66	2	429	2	505	21	0.64
430	2	430	2	555	7	0.70	.	.	.	.	.	.	2	430	2	555	7	0.70
440	2	443	2	535	35	0.62	1	442	1	560	.	0.65	3	442	3	543	29	0.63
450	1	459	1	550	.	0.57	.	.	.	.	.	.	1	459	1	550	.	0.57
460	.	.	.	.	.	.	2	464	2	670	127	0.67	2	464	2	670	127	0.67
470	2	477	2	655	49	0.60	1	477	1	730	.	0.67	3	477	3	680	56	0.63
480	.	.	.	.	.	.	1	486	1	680	.	0.59	1	486	1	680	.	0.59
490	1	492	1	960	.	0.81	1	492	1	640	.	0.54	2	492	2	800	226	0.67
500	1	500	1	900	.	0.72	.	.	.	.	.	.	1	500	1	900	.	0.72
530	.	.	.	.	.	.	1	535	1	1130	.	0.74	1	535	1	1130	.	0.74
540	1	547	1	1070	.	0.65	.	.	.	.	.	.	1	547	1	1070	.	0.65
550	.	.	.	.	.	.	1	551	1	1050	.	0.63	1	551	1	1050	.	0.63
560	.	.	.	.	.	.	2	562	2	1110	71	0.63	2	562	2	1110	71	0.63
570	.	.	.	.	.	.	1	577	1	1670	.	0.87	1	577	1	1670	.	0.87
950	.	.	.	.	.	.	1	955	1	6680	.	0.77	1	955	1	6680	.	0.77
TOTAL/MEAN	25	406	25	474	234	0.66	25	456	25	856	1266	0.68	50	431	50	665	921	0.67

Table 61. Length and weight data, by 10mm fork length intervals, for northern pike caught by gill nets in Demarch Lake, 1980.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
280	1	280	1	150	.	0.68	1	282	1	150	.	0.67	2	281	2	150	0	0.68
290	.	.	.	.	.	.	1	296	1	200	.	0.77	1	296	1	200	.	0.77
300	.	.	.	.	.	.	2	303	2	190	14	0.68	2	303	2	190	14	0.68
320	.	.	.	.	.	.	1	326	1	250	.	0.72	1	326	1	250	.	0.72
330	.	.	.	.	.	.	1	330	1	230	.	0.64	1	330	1	230	.	0.64
340	1	343	1	280	.	0.69	.	.	.	.	.	.	1	343	1	280	.	0.69
350	2	355	2	285	21	0.64	2	356	2	275	7	0.61	4	355	4	280	14	0.62
360	1	362	1	340	.	0.72	4	365	4	330	22	0.68	5	364	5	332	19	0.69
370	4	375	4	350	36	0.66	2	375	2	370	0	0.70	6	375	6	357	29	0.68
380	2	384	2	400	28	0.71	2	387	2	360	0	0.62	4	385	4	380	28	0.67
390	3	397	3	410	10	0.66	3	394	3	400	0	0.65	6	395	6	405	8	0.66
400	1	408	1	510	.	0.75	2	404	2	440	42	0.67	3	405	3	463	50	0.69
420	.	.	.	.	.	.	1	425	1	500	.	0.65	1	425	1	500	.	0.65
430	1	433	1	600	.	0.74	.	.	.	.	.	.	1	433	1	600	.	0.74
440	1	442	1	600	.	0.69	.	.	.	.	.	.	1	442	1	600	.	0.69
450	1	456	1	600	.	0.63	.	.	.	.	.	.	1	456	1	600	.	0.63
480	.	.	.	.	.	.	1	483	1	750	.	0.67	1	483	1	750	.	0.67
490	3	496	3	717	160	0.59	1	497	1	900	.	0.73	4	497	4	763	160	0.62
500	.	.	.	.	.	.	3	504	3	810	44	0.63	3	504	3	810	44	0.63
510	1	518	1	920	.	0.66	.	.	.	.	.	.	1	518	1	920	.	0.66
530	.	.	.	.	.	.	1	530	1	820	.	0.55	1	530	1	820	.	0.55
540	1	542	1	1120	.	0.70	.	.	.	.	.	.	1	542	1	1120	.	0.70
600	1	600	1	1780	.	0.82	.	.	.	.	.	.	1	600	1	1780	.	0.82
630	.	.	.	.	.	.	1	630	1	1850	.	0.74	1	630	1	1850	.	0.74
780	.	.	.	.	.	.	1	787	1	3770	.	0.77	1	787	1	3770	.	0.77
830	.	.	.	.	.	.	1	830	1	5280	.	0.92	1	830	1	5280	.	0.92
TOTAL/MEAN	24	418	24	544	349	0.67	31	426	31	739	1081	0.68	55	423	55	654	843	0.68

Table 62. Length and weight data, by 10mm fork length intervals, for northern pike caught by gill nets in Demarch Lake, 1981.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
310	1	319	1	240	.	0.74	.	.	.	.	.	.	1	319	1	240	.	0.74
330	1	339	1	240	.	0.62	1	332	1	260	.	0.71	2	336	2	250	14	0.66
340	1	349	1	280	.	0.66	.	.	.	.	.	.	1	349	1	280	.	0.66
360	2	365	2	305	7	0.63	1	360	1	320	.	0.69	3	363	3	310	10	0.65
370	3	376	3	377	29	0.71	1	377	1	360	.	0.67	4	377	4	373	25	0.70
380	6	385	6	373	41	0.66	2	385	2	380	0	0.67	8	385	8	375	35	0.66
390	.	.	.	.	.	.	7	395	7	444	42	0.72	7	395	7	444	42	0.72
400	2	407	2	410	0	0.61	4	403	4	438	21	0.67	6	404	6	428	21	0.65
410	3	416	3	470	10	0.65	3	414	3	500	60	0.71	6	415	6	485	42	0.68
420	9	425	9	532	31	0.70	8	425	8	508	23	0.66	17	425	17	521	29	0.68
430	2	431	2	585	49	0.73	4	433	4	538	15	0.66	6	433	6	553	35	0.68
440	1	442	1	620	.	0.72	3	442	3	577	45	0.67	4	442	4	588	43	0.68
450	1	458	1	660	.	0.69	10	455	10	655	62	0.70	11	455	11	655	58	0.70
460	6	465	6	727	42	0.73	7	464	7	673	46	0.67	13	464	13	698	51	0.70
470	1	472	1	720	.	0.68	2	474	2	690	14	0.65	3	473	3	700	20	0.66
480	1	485	1	760	.	0.67	.	.	.	.	.	.	1	485	1	760	.	0.67
490	2	492	2	885	64	0.74	1	493	1	860	.	0.72	3	492	3	877	47	0.73
500	.	.	.	.	.	.	4	505	4	1048	307	0.81	4	505	4	1048	307	0.81
510	.	.	.	.	.	.	6	514	6	930	72	0.69	6	514	6	930	72	0.69
520	.	.	.	.	.	.	1	524	1	980	.	0.68	1	524	1	980	.	0.68
530	2	534	2	1040	57	0.68	1	534	1	1050	.	0.69	3	534	3	1043	40	0.69
570	1	574	1	1310	.	0.69	.	.	.	.	.	.	1	574	1	1310	.	0.69
590	2	592	2	1555	35	0.75	.	.	.	.	.	.	2	592	2	1555	35	0.75
610	.	.	.	.	.	.	1	611	1	1640	.	0.72	1	611	1	1640	.	0.72
TOTAL/MEAN	47	433	47	603	303	0.69	67	447	67	641	248	0.69	114	441	114	625	271	0.69

Table 63. Length and weight data, by 10mm fork length intervals, for northern pike caught by gill nets in Demarch Lake, 1982.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
330	1	338	1	210	.	0.54	.	.	.	.	.	.	1	338	1	210	.	0.54
350	.	.	.	.	.	.	1	350	1	300	.	0.70	1	350	1	300	.	0.70
360	1	368	1	280	.	0.56	.	.	.	.	.	.	1	368	1	280	.	0.56
370	2	376	2	350	14	0.66	.	.	.	.	.	.	2	376	2	350	14	0.66
400	4	404	4	425	30	0.64	2	403	2	420	28	0.64	6	404	6	423	27	0.64
410	2	412	2	485	92	0.70	.	.	.	.	.	.	2	412	2	485	92	0.70
420	4	427	4	510	12	0.65	1	422	1	500	.	0.67	5	426	5	508	11	0.66
430	7	434	7	546	45	0.67	1	433	1	540	.	0.67	8	434	8	545	42	0.67
440	3	443	3	570	30	0.65	2	446	2	560	0	0.63	5	444	5	566	22	0.65
450	3	454	3	660	53	0.71	5	454	5	578	23	0.62	8	454	8	609	54	0.65
460	4	463	4	690	26	0.69	4	464	4	630	38	0.63	8	463	8	660	44	0.66
470	3	475	3	747	47	0.70	3	473	3	697	81	0.66	6	474	6	722	66	0.68
480	1	487	1	830	.	0.72	6	487	6	725	39	0.63	7	487	7	740	53	0.64
490	3	494	3	820	20	0.68	1	495	1	740	.	0.61	4	495	4	800	43	0.66
500	.	.	.	.	.	.	3	503	3	807	12	0.63	3	503	3	807	12	0.63
510	.	.	.	.	.	.	1	510	1	800	.	0.60	1	510	1	800	.	0.60
520	.	.	.	.	.	.	4	524	4	958	51	0.67	4	524	4	958	51	0.67
530	.	.	.	.	.	.	4	535	4	1023	56	0.67	4	535	4	1023	56	0.67
540	.	.	.	.	.	.	3	543	3	1147	81	0.72	3	543	3	1147	81	0.72
550	3	554	3	1153	81	0.68	1	552	1	1120	.	0.67	4	553	4	1145	68	0.68
560	1	560	1	1200	.	0.68	2	564	2	1130	99	0.63	3	562	3	1153	81	0.65
570	.	.	.	.	.	.	3	573	3	1393	168	0.74	3	573	3	1393	168	0.74
580	1	586	1	1410	.	0.70	.	.	.	.	.	.	1	586	1	1410	.	0.70
590	1	596	1	1420	.	0.67	.	.	.	.	.	.	1	596	1	1420	.	0.67
600	.	.	.	.	.	.	1	609	1	1640	.	0.73	1	609	1	1640	.	0.73
620	1	625	1	1860	.	0.76	1	620	1	1880	.	0.79	2	623	2	1870	14	0.78
630	.	.	.	.	.	.	1	633	1	1940	.	0.76	1	633	1	1940	.	0.76
640	1	643	1	2000	.	0.75	.	.	.	.	.	.	1	643	1	2000	.	0.75
660	.	.	.	.	.	.	3	660	3	1937	95	0.67	3	660	3	1937	95	0.67
670	.	.	.	.	.	.	1	677	1	1960	.	0.63	1	677	1	1960	.	0.63
680	.	.	.	.	.	.	1	683	1	2530	.	0.79	1	683	1	2530	.	0.79
700	.	.	.	.	.	.	1	707	1	2380	.	0.67	1	707	1	2380	.	0.67
710	.	.	.	.	.	.	2	718	2	2945	35	0.80	2	718	2	2945	35	0.80
720	.	.	.	.	.	.	1	725	1	3160	.	0.83	1	725	1	3160	.	0.83
730	.	.	.	.	.	.	1	732	1	2390	.	0.61	1	732	1	2390	.	0.61
740	.	.	.	.	.	.	1	748	1	3460	.	0.83	1	748	1	3460	.	0.83
750	.	.	.	.	.	.	2	756	2	3690	170	0.85	2	756	2	3690	170	0.85
800	.	.	.	.	.	.	1	804	1	4480	.	0.86	1	804	1	4480	.	0.86
TOTAL/MEAN	46	462	46	718	379	0.67	64	547	64	1296	945	0.68	110	511	110	1054	810	0.68

Table 64. Length and weight data, by 10mm fork length intervals, for white sucker caught by gill nets in Demarch Lake, 1977.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
250	.	.	.	.	.	.	.	.	.	.	.	.	1	257	1	250	.	1.47
270	.	.	.	.	.	.	.	.	.	.	.	.	1	272	1	290	.	1.44
280	.	.	.	.	.	.	.	.	.	.	.	.	1	288	1	310	.	1.30
310	.	.	.	.	.	.	1	314	1	415	.	1.34	1	314	1	415	.	1.34
320	.	.	.	.	.	.	.	.	.	.	.	.	3	326	3	438	34	1.27
330	.	.	.	.	.	.	1	337	1	520	.	1.36	1	337	1	520	.	1.36
340	.	.	.	.	.	.	2	347	2	650	14	1.56	8	345	8	586	44	1.43
350	2	351	2	585	64	1.35	.	.	.	.	.	.	12	353	12	592	53	1.35
360	1	364	1	770	.	1.60	.	.	.	.	.	.	4	365	4	693	88	1.43
370	3	374	3	705	20	1.34	.	.	.	.	.	.	6	375	6	719	40	1.36
380	.	.	.	.	.	.	3	382	3	720	65	1.29	6	383	6	738	49	1.32
390	.	.	.	.	.	.	2	392	2	848	32	1.41	12	395	12	830	69	1.35
400	2	403	2	875	7	1.34	2	402	2	843	53	1.30	7	402	7	861	48	1.32
410	.	.	.	.	.	.	.	.	.	.	.	.	2	414	2	960	141	1.35
420	.	.	.	.	.	.	.	.	.	.	.	.	1	428	1	970	.	1.24
430	.	.	.	.	.	.	1	432	1	1115	.	1.38	3	433	3	1068	60	1.32
450	.	.	.	.	.	.	.	.	.	.	.	.	2	454	2	1270	71	1.36
470	.	.	.	.	.	.	.	.	.	.	.	.	1	478	1	1440	.	1.32
TOTAL/MEAN	8	374	8	726	115	1.38	12	376	12	741	183	1.37	72	374	72	729	220	1.35

Table 65. Length and weight data, by 10mm fork length intervals, for white sucker caught by gill nets in Demarch Lake, 1978.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED			
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
250	.	.	.	.	.	.	.	.	.	.	.	.	1	258	1	250	.	1.46
260	.	.	.	.	.	.	.	.	.	.	.	.	1	269	1	270	.	1.39
270	.	.	.	.	.	.	.	.	.	.	.	.	1	270	1	270	.	1.37
280	.	.	.	.	.	.	.	.	.	.	.	.	1	280	1	300	.	1.37
290	.	.	.	.	.	.	1	296	1	360	.	1.39	2	295	2	370	14	1.44
300	.	.	.	.	.	.	.	.	.	.	.	.	1	302	1	410	.	1.49
320	.	.	.	.	.	.	.	.	.	.	.	.	1	328	1	490	.	1.39
340	1	349	1	670	.	1.58	1	346	1	690	.	1.67	6	346	6	603	62	1.45
350	.	.	.	.	.	.	.	.	.	.	.	.	2	354	2	585	21	1.33
360	2	366	2	755	49	1.55	.	.	.	.	.	.	7	365	7	638	173	1.31
370	1	375	1	880	.	1.67	1	377	1	880	.	1.64	5	375	5	810	71	1.54
380	1	382	1	930	.	1.67	.	.	.	.	.	.	2	383	2	805	177	1.44
390	2	397	2	900	57	1.44	.	.	.	.	.	.	4	396	4	845	79	1.36
400	.	.	.	.	.	.	1	407	1	1150	.	1.71	3	403	3	1008	123	1.54
410	.	.	.	.	.	.	1	417	1	960	.	1.32	2	418	2	1000	57	1.37
430	.	.	.	.	.	.	.	.	.	.	.	.	1	435	1	1100	.	1.34
450	.	.	.	.	.	.	.	.	.	.	.	.	2	452	2	1230	42	1.34
460	.	.	.	.	.	.	.	.	.	.	.	.	1	462	1	1340	.	1.36
470	.	.	.	.	.	.	1	475	1	1390	.	1.30	1	475	1	1390	.	1.30
TOTAL/MEAN	7	376	7	827	104	1.56	6	386	6	905	358	1.50	44	368	44	735	292	1.41

Table 66. Length and weight data, by 10mm fork length intervals, for white sucker caught by gill nets in Demarch Lake, 1979.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
230	.	.	.	.	.	.	2	239	2	175	7	1.29	2	239	2	175	7	1.29
240	1	245	1	200	.	1.36	.	.	.	.	.	.	1	245	1	200	.	1.36
250	.	.	.	.	.	.	1	258	1	240	.	1.40	1	258	1	240	.	1.40
260	3	261	3	253	6	1.42	2	265	2	240	28	1.29	5	263	5	248	16	1.37
270	1	275	1	260	.	1.25	1	275	1	310	.	1.49	2	275	2	285	35	1.37
280	.	.	.	.	.	.	1	286	1	330	.	1.41	1	286	1	330	.	1.41
300	1	305	1	430	.	1.52	.	.	.	.	.	.	1	305	1	430	.	1.52
310	4	316	4	453	25	1.43	1	312	1	440	.	1.45	5	315	5	450	22	1.43
320	4	323	4	480	34	1.42	.	.	.	.	.	.	4	323	4	480	34	1.42
330	6	335	6	568	46	1.51	1	338	1	570	.	1.48	7	336	7	569	42	1.50
340	1	349	1	700	.	1.65	4	345	4	640	28	1.56	5	346	5	652	36	1.58
350	8	355	8	625	65	1.39	5	354	5	668	31	1.50	13	355	13	642	57	1.43
360	3	363	3	680	40	1.42	4	363	4	725	24	1.52	7	363	7	706	37	1.48
370	6	374	6	758	50	1.45	4	374	4	753	50	1.44	10	374	10	756	47	1.45
380	12	384	12	793	63	1.40	8	385	8	800	33	1.41	20	384	20	796	52	1.40
390	7	394	7	797	91	1.30	5	394	5	834	71	1.36	12	394	12	813	82	1.32
400	3	401	3	843	93	1.31	4	405	4	980	86	1.47	7	403	7	921	109	1.40
410	.	.	.	.	.	.	9	415	9	964	50	1.35	9	415	9	964	50	1.35
420	1	427	1	1030	.	1.32	4	427	4	1085	84	1.39	5	427	5	1074	77	1.38
430	.	.	.	.	.	.	2	437	2	1195	106	1.43	2	437	2	1195	106	1.43
450	.	.	.	.	.	.	1	453	1	1290	.	1.39	1	453	1	1290	.	1.39
470	.	.	.	.	.	.	1	476	1	1460	.	1.35	1	476	1	1460	.	1.35
TOTAL/MEAN	61	356	61	651	187	1.41	60	375	60	786	273	1.42	121	365	121	718	242	1.41

Table 67. Length and weight data, by 10mm fork length intervals, for white sucker caught by gill nets in Demarch Lake, 1980.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
190	1	192	1	100	.	1.41	.	.	.	.	.	.	1	192	1	100	.	1.41
220	.	.	.	.	.	.	1	222	1	120	.	1.10	1	222	1	120	.	1.10
240	1	242	1	200	.	1.41	1	246	1	220	.	1.48	2	244	2	210	14	1.44
250	.	.	.	.	.	.	1	259	1	220	.	1.27	1	259	1	220	.	1.27
270	4	274	4	283	22	1.37	.	.	.	.	.	.	4	274	4	283	22	1.37
280	.	.	.	.	.	.	1	281	1	340	.	1.53	1	281	1	340	.	1.53
290	.	.	.	.	.	.	1	299	1	370	.	1.38	1	299	1	370	.	1.38
300	.	.	.	.	.	.	2	303	2	400	28	1.44	2	303	2	400	28	1.44
310	2	316	2	460	14	1.46	.	.	.	.	.	.	2	316	2	460	14	1.46
320	4	324	4	495	19	1.46	3	326	3	503	6	1.45	7	325	7	499	15	1.45
330	4	333	4	568	34	1.53	1	337	1	570	.	1.49	5	334	5	568	29	1.52
340	4	345	4	635	69	1.55	1	346	1	670	.	1.62	5	345	5	642	61	1.56
350	5	354	5	662	16	1.49	9	355	9	656	48	1.46	14	355	14	658	39	1.47
360	9	365	9	683	38	1.41	8	364	8	698	54	1.44	17	364	17	690	45	1.43
370	7	375	7	751	35	1.42	9	375	9	754	33	1.43	16	375	16	753	33	1.42
380	6	384	6	788	38	1.39	12	385	12	814	76	1.43	18	385	18	806	65	1.41
390	7	394	7	841	60	1.37	10	395	10	854	44	1.39	17	395	17	849	49	1.38
400	4	403	4	898	36	1.37	8	405	8	946	97	1.43	12	404	12	930	83	1.41
410	2	413	2	1015	64	1.44	10	415	10	1012	72	1.42	12	414	12	1013	68	1.42
420	.	.	.	.	.	.	3	425	3	1097	67	1.43	3	425	3	1097	67	1.43
430	.	.	.	.	.	.	2	436	2	1100	141	1.33	2	436	2	1100	141	1.33
440	.	.	.	.	.	.	2	443	2	1285	64	1.48	2	443	2	1285	64	1.48
450	.	.	.	.	.	.	1	455	1	1190	.	1.26	1	455	1	1190	.	1.26
TOTAL/MEAN	60	356	60	668	196	1.43	86	378	86	795	229	1.42	146	369	146	743	224	1.43

Table 68. Length and weight data, by 10mm fork length intervals, for white sucker caught by gill nets in Demarch Lake, 1981.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
90	1	98	1	10	.	1.06	.	.	.	.	.	.	1	98	1	10	.	1.06
100	.	.	.	.	.	.	2	107	2	13	0	1.06	3	106	3	13	0	1.09
110	.	.	.	.	.	.	2	113	2	18	4	1.21	4	112	4	17	2	1.19
130	1	130	1	25	.	1.14	1	132	1	29	.	1.26	2	131	2	27	3	1.20
140	1	142	1	34	.	1.19	.	.	.	.	.	.	2	144	2	35	.	1.18
150	.	.	.	.	.	.	1	150	1	39	.	1.16	1	150	1	39	.	1.16
160	1	168	1	60	.	1.27	.	.	.	.	.	.	1	168	1	60	.	1.27
180	2	187	2	75	7	1.15	.	.	.	.	.	.	2	187	2	75	7	1.15
190	2	197	2	90	14	1.18	1	199	1	100	.	1.27	3	197	3	93	12	1.21
210	.	.	.	.	.	.	1	210	1	120	.	1.30	1	210	1	120	.	1.30
220	.	.	.	.	.	.	2	225	2	135	7	1.19	2	225	2	135	7	1.19
230	3	233	3	160	20	1.26	1	235	1	180	.	1.39	4	234	4	165	19	1.29
240	1	247	1	240	.	1.59	.	.	.	.	.	.	1	247	1	240	.	1.59
250	2	257	2	230	14	1.36	1	255	1	230	.	1.39	3	256	3	230	10	1.37
270	.	.	.	.	.	.	1	277	1	300	.	1.41	1	277	1	300	.	1.41
280	1	283	1	320	.	1.41	1	289	1	350	.	1.45	2	286	2	335	21	1.43
290	1	299	1	350	.	1.31	.	.	.	.	.	.	1	299	1	350	.	1.31
300	2	307	2	410	14	1.42	3	305	3	390	44	1.38	5	306	5	398	33	1.39
310	3	318	3	457	25	1.42	2	313	2	455	21	1.49	5	316	5	456	21	1.45
320	2	328	2	510	14	1.45	1	322	1	470	.	1.41	3	326	3	497	25	1.44
330	1	335	1	550	.	1.46	1	330	1	570	.	1.59	2	333	2	560	14	1.52
340	2	343	2	580	28	1.45	1	345	1	560	.	1.36	3	343	3	573	23	1.42
350	3	353	3	600	20	1.36	1	352	1	680	.	1.56	4	353	4	620	43	1.41
370	6	375	6	728	41	1.38	3	374	3	723	59	1.38	9	375	9	727	44	1.38
380	5	383	5	740	69	1.32	3	382	3	800	40	1.43	8	383	8	763	64	1.36
390	2	395	2	845	21	1.37	2	395	2	860	127	1.40	4	395	4	853	75	1.38
400	1	402	1	890	.	1.37	1	409	1	940	.	1.37	2	406	2	915	35	1.37
410	.	.	.	.	.	.	1	418	1	980	.	1.34	1	418	1	980	.	1.34
420	.	.	.	.	.	.	1	422	1	920	.	1.22	1	422	1	920	.	1.22
430	.	.	.	.	.	.	1	432	1	1170	.	1.45	1	432	1	1170	.	1.45
440	.	.	.	.	.	.	1	440	1	1040	.	1.22	1	440	1	1040	.	1.22
TOTAL/MEAN	43	302	43	458	276	1.34	36	297	36	483	351	1.34	79	300	79	469	310	1.34

Table 69. Length and weight data, by 10mm fork length intervals, for white sucker caught by gill nets in Demarch Lake, 1982.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
160	.	.	.	.	.	.	.	.	.	.	.	.	2	165	2	60	0	1.35
170	.	.	.	.	.	.	.	.	.	.	.	.	2	171	2	80	14	1.60
190	.	.	.	.	.	.	.	.	.	.	.	.	1	196	1	80	.	1.06
210	.	.	.	.	.	.	.	.	.	.	.	.	1	210	1	100	.	1.08
220	.	.	.	.	.	.	.	.	.	.	.	.	1	226	1	140	.	1.21
270	1	276	1	260	.	1.24	1	277	1	290	.	1.36	3	276	3	277	15	1.32
300	1	309	1	390	.	1.32	.	.	.	.	.	.	1	309	1	390	.	1.32
310	.	.	.	.	.	.	1	318	1	480	.	1.49	1	318	1	480	.	1.49
320	1	324	1	500	.	1.47	.	.	.	.	.	.	1	324	1	500	.	1.47
350	2	352	2	615	7	1.42	1	353	1	630	.	1.43	3	352	3	620	10	1.42
360	3	362	3	703	74	1.48	1	365	1	640	.	1.32	4	363	4	688	68	1.44
370	1	374	1	640	.	1.22	2	378	2	840	28	1.56	3	376	3	773	117	1.45
380	3	387	3	873	117	1.50	3	385	3	940	61	1.65	6	386	6	907	91	1.58
390	2	397	2	905	35	1.45	2	394	2	925	35	1.51	4	396	4	915	31	1.48
400	2	407	2	920	113	1.36	3	407	3	1030	87	1.52	5	407	5	986	103	1.46
410	.	.	.	.	.	.	2	414	2	1100	113	1.55	2	414	2	1100	113	1.55
420	1	425	1	1070	.	1.39	1	425	1	1200	.	1.56	2	425	2	1135	92	1.48
440	1	449	1	1600	.	1.77	1	440	1	1100	.	1.29	2	445	2	1350	354	1.53
450	.	.	.	.	.	.	1	452	1	1180	.	1.28	1	452	1	1180	.	1.28
TOTAL/MEAN	18	373	18	782	297	1.43	19	388	19	903	245	1.50	45	348	45	714	378	1.44

Table 70. Length and weight data, by 10mm fork length intervals, for lake whitefish caught by gill nets in Demarch Lake, 1977.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
260	.	.	.	.	.	.	1	264	1	255	.	1.39	2	264	2	243	18	1.33
270	1	279	1	310	.	1.43	.	.	.	.	.	.	1	279	1	310	.	1.43
310	1	317	1	440	.	1.38	.	.	.	.	.	.	1	317	1	440	.	1.38
330	2	336	2	570	42	1.51	.	.	.	.	.	.	2	336	2	570	42	1.51
340	.	.	.	.	.	.	1	345	1	640	.	1.56	2	346	2	640	0	1.55
360	1	363	1	760	.	1.59	1	368	1	910	.	1.83	2	366	2	835	106	1.71
390	3	393	3	1045	75	1.72	2	391	2	933	88	1.57	5	392	5	1000	93	1.66
400	.	.	.	.	.	.	9	404	9	1134	55	1.72	9	404	9	1134	55	1.72
410	4	416	4	1196	51	1.66	4	417	4	1204	72	1.66	8	416	8	1200	58	1.66
420	5	424	5	1310	86	1.72	3	425	3	1235	17	1.61	8	424	8	1282	76	1.68
430	3	434	3	1427	92	1.75	3	432	3	1355	43	1.68	6	433	6	1391	76	1.71
440	2	446	2	1503	4	1.69	.	.	.	.	.	.	2	446	2	1503	4	1.69
450	4	457	4	1720	41	1.80	2	455	2	1480	78	1.58	6	456	6	1640	133	1.73
460	2	466	2	1723	39	1.71	6	464	6	1655	117	1.66	8	464	8	1672	105	1.67
470	3	475	3	1748	24	1.63	2	478	2	1815	21	1.66	5	476	5	1775	42	1.65
480	2	483	2	1788	18	1.59	3	483	3	1847	131	1.64	6	483	6	1828	89	1.62
490	1	495	1	1875	.	1.55	2	494	2	1813	138	1.50	4	494	4	1855	95	1.54
500	2	502	2	2033	145	1.61	2	503	2	1943	4	1.53	4	502	4	1988	99	1.57
510	1	511	1	2340	.	1.75	.	.	.	.	.	.	1	511	1	2340	.	1.75
520	.	.	.	.	.	.	1	520	1	2365	.	1.68	1	520	1	2365	.	1.68
TOTAL/MEAN	37	431	37	1401	465	1.67	42	434	42	1390	408	1.64	83	431	83	1384	456	1.65

Table 71. Length and weight data, by 10mm fork length intervals, for lake whitefish caught by gill nets in Demarch Lake, 1979.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
170	.	.	.	.	.	.	1	170	1	56	.	1.14	1	170	1	56	.	1.14
230	.	.	.	.	.	.	1	234	1	170	.	1.33	1	234	1	170	.	1.33
240	.	.	.	.	.	.	2	246	2	207	21	1.40	2	246	2	207	21	1.40
250	.	.	.	.	.	.	1	250	1	202	.	1.29	1	250	1	202	.	1.29
280	1	280	1	340	.	1.55	1	285	1	380	.	1.64	2	283	2	360	28	1.60
330	1	334	1	520	.	1.40	.	.	.	.	.	.	1	334	1	520	.	1.40
340	1	340	1	630	.	1.60	1	347	1	730	.	1.75	2	344	2	680	71	1.68
350	1	357	1	690	.	1.52	2	356	2	715	78	1.58	3	356	3	707	57	1.56
360	1	366	1	840	.	1.71	3	364	3	780	46	1.62	4	365	4	795	48	1.64
370	2	377	2	910	57	1.70	1	375	1	939	.	1.78	3	376	3	920	43	1.73
380	.	.	.	.	.	.	2	388	2	955	21	1.64	2	388	2	955	21	1.64
390	2	394	2	1065	7	1.74	3	397	3	1113	110	1.78	5	396	5	1094	82	1.76
400	1	402	1	1120	.	1.72	.	.	.	.	.	.	1	402	1	1120	.	1.72
410	4	415	4	1290	116	1.81	.	.	.	.	.	.	4	415	4	1290	116	1.81
420	5	424	5	1466	131	1.92	3	426	3	1490	36	1.92	8	425	8	1475	102	1.92
430	1	434	1	1580	.	1.93	1	437	1	1600	.	1.92	2	436	2	1590	14	1.93
440	6	443	6	1578	109	1.82	3	445	3	1720	137	1.95	9	444	9	1626	131	1.86
450	6	455	6	1687	56	1.80	4	453	4	1728	105	1.86	10	454	10	1703	77	1.82
460	3	465	3	1860	223	1.84	3	463	3	1823	231	1.84	6	464	6	1842	204	1.84
470	6	474	6	1862	113	1.75	3	476	3	1877	186	1.74	9	474	9	1867	129	1.75
480	3	483	3	1780	393	1.58	1	480	1	1820	.	1.65	4	482	4	1790	322	1.60
490	2	495	2	2080	198	1.71	1	494	1	2130	.	1.77	3	495	3	2097	143	1.73
510	.	.	.	.	.	.	1	515	1	2200	.	1.61	1	515	1	2200	.	1.61
TOTAL/MEAN	46	433	46	1478	436	1.76	38	397	38	1245	632	1.71	84	417	84	1373	543	1.74

Table 72. Length and weight data, by 10mm fork length intervals, for lake whitefish caught by gill nets in Demarch Lake, 1980.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
190	.	.	.	.	.	.	1	197	1	110	.	1.44	1	197	1	110	.	1.44
200	2	207	2	113	4	1.28	4	205	4	120	6	1.38	6	206	6	117	6	1.35
210	2	212	2	121	1	1.27	.	.	.	.	.	.	2	212	2	121	1	1.27
220	1	220	1	140	.	1.31	.	.	.	.	.	.	1	220	1	140	.	1.31
230	.	.	.	.	.	.	1	232	1	170	.	1.36	1	232	1	170	.	1.36
250	.	.	.	.	.	.	1	250	1	210	.	1.34	1	250	1	210	.	1.34
270	2	275	2	305	7	1.47	1	275	1	310	.	1.49	3	275	3	307	6	1.47
280	2	287	2	340	14	1.45	.	.	.	.	.	.	2	287	2	340	14	1.45
290	2	296	2	370	14	1.43	2	295	2	330	0	1.29	4	295	4	350	24	1.36
310	.	.	.	.	.	.	1	311	1	450	.	1.50	1	311	1	450	.	1.50
320	1	328	1	500	.	1.42	2	326	2	490	14	1.41	3	327	3	493	12	1.42
330	1	334	1	550	.	1.48	1	339	1	550	.	1.41	2	337	2	550	0	1.44
360	2	367	2	815	21	1.65	.	.	.	.	.	.	2	367	2	815	21	1.65
370	1	378	1	860	.	1.59	1	375	1	820	.	1.55	2	377	2	840	28	1.57
380	4	385	4	968	53	1.69	1	382	1	920	.	1.65	5	384	5	958	51	1.69
390	1	391	1	1050	.	1.76	1	398	1	1000	.	1.59	2	395	2	1025	35	1.67
400	2	402	2	1050	71	1.62	1	406	1	1170	.	1.75	3	403	3	1090	85	1.66
410	2	414	2	1155	35	1.63	.	.	.	.	.	.	2	414	2	1155	35	1.63
420	1	423	1	1100	.	1.45	5	425	5	1318	110	1.71	6	425	6	1282	133	1.67
430	4	435	4	1300	99	1.59	4	435	4	1368	54	1.66	8	435	8	1334	82	1.63
440	3	445	3	1563	12	1.77	5	446	5	1426	51	1.61	8	446	8	1478	81	1.67
450	3	456	3	1567	50	1.65	1	458	1	1600	.	1.67	4	457	4	1575	44	1.65
460	2	465	2	1710	198	1.70	3	465	3	1657	182	1.65	5	465	5	1678	165	1.67
470	4	474	4	1608	111	1.51	4	474	4	1668	67	1.56	8	474	8	1638	90	1.54
480	1	482	1	1500	.	1.34	.	.	.	.	.	.	1	482	1	1500	.	1.34
490	3	493	3	1800	120	1.50	.	.	.	.	.	.	3	493	3	1800	120	1.50
500	1	509	1	1980	.	1.50	.	.	.	.	.	.	1	509	1	1980	.	1.50
TOTAL/MEAN	47	389	47	1062	570	1.55	40	377	40	1006	582	1.55	87	383	87	1037	573	1.55

Table 73. Length and weight data, by 10mm fork length intervals, for lake whitefish caught by gill nets in Demarch Lake, 1982.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
270	.	.	.	.	.	.	.	.	.	.	.	.	2	275	2	285	7	1.37
280	1	280	1	300	.	1.37	.	.	.	.	.	.	3	285	3	313	12	1.35
290	1	291	1	340	.	1.38	.	.	.	.	.	.	1	291	1	340	.	1.38
300	1	300	1	380	.	1.41	.	.	.	.	.	.	1	300	1	380	.	1.41
310	.	.	.	.	.	.	1	317	1	440	.	1.38	2	314	2	430	14	1.40
320	.	.	.	.	.	.	1	320	1	460	.	1.40	1	320	1	460	.	1.40
330	1	332	1	540	.	1.48	.	.	.	.	.	.	1	332	1	540	.	1.48
340	1	347	1	660	.	1.58	.	.	.	.	.	.	1	347	1	660	.	1.58
350	1	358	1	650	.	1.42	1	354	1	720	.	1.62	2	356	2	685	49	1.52
360	1	368	1	800	.	1.61	1	360	1	740	.	1.59	2	364	2	770	42	1.60
370	1	370	1	800	.	1.58	.	.	.	.	.	.	1	370	1	800	.	1.58
380	.	.	.	.	.	.	2	382	2	955	49	1.71	2	382	2	955	49	1.71
390	2	393	2	945	64	1.56	.	.	.	.	.	.	2	393	2	945	64	1.56
400	1	403	1	1080	.	1.65	2	405	2	1135	7	1.71	3	404	3	1117	32	1.69
410	.	.	.	.	.	.	2	411	2	1200	14	1.73	2	411	2	1200	14	1.73
420	1	425	1	1280	.	1.67	.	.	.	.	.	.	1	425	1	1280	.	1.67
430	3	436	3	1397	65	1.68	2	438	2	1425	148	1.70	5	437	5	1408	89	1.69
440	.	.	.	.	.	.	1	449	1	1420	.	1.57	1	449	1	1420	.	1.57
460	2	464	2	1660	0	1.67	2	464	2	1690	42	1.70	4	464	4	1675	30	1.68
470	1	471	1	1900	.	1.82	.	.	.	.	.	.	1	471	1	1900	.	1.82
480	.	.	.	.	.	.	2	486	2	2010	325	1.76	2	486	2	2010	325	1.76
490	.	.	.	.	.	.	1	497	1	2000	.	1.63	1	497	1	2000	.	1.63
TOTAL/MEAN	18	387	18	1007	491	1.58	18	415	18	1256	506	1.66	41	387	41	1033	545	1.59

Table 74. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Unger Lake, 1977.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
220	.	.	.	.	.	.	1	227	1	105	.	0.90	2	225	2	108	4	0.95
240	.	.	.	.	.	.	.	.	.	.	.	.	1	249	1	140	.	0.91
270	.	.	.	.	.	.	1	270	1	200	.	1.02	1	270	1	200	.	1.02
280	.	.	.	.	.	.	1	286	1	250	.	1.07	1	286	1	250	.	1.07
300	.	.	.	.	.	.	1	302	1	295	.	1.07	1	302	1	295	.	1.07
330	1	339	1	400	.	1.03	2	334	2	410	42	1.10	5	336	5	404	42	1.07
340	2	346	2	433	18	1.04	1	349	1	420	.	0.99	3	347	3	428	14	1.03
350	.	.	.	.	.	.	6	355	6	498	18	1.11	6	355	6	498	18	1.11
360	4	366	4	523	23	1.07	3	366	3	522	20	1.07	7	366	7	522	20	1.07
370	3	373	3	552	14	1.06	8	374	8	554	18	1.06	11	374	11	553	17	1.06
380	3	385	3	610	10	1.07	8	385	8	629	19	1.10	12	385	12	628	22	1.10
390	6	395	6	627	28	1.02	11	395	11	645	49	1.05	17	395	17	639	43	1.04
400	5	404	5	683	30	1.03	11	404	11	686	48	1.04	17	404	17	683	41	1.03
410	9	417	9	736	34	1.02	4	415	4	723	17	1.01	13	416	13	732	30	1.02
420	7	424	7	781	70	1.02	7	426	7	794	42	1.02	14	425	14	787	56	1.02
430	3	436	3	788	77	0.95	5	434	5	826	34	1.01	8	435	8	812	52	0.99
440	3	444	3	877	71	1.00	5	445	5	874	54	0.99	8	445	8	875	56	1.00
450	2	451	2	890	14	0.97	4	453	4	939	24	1.01	6	453	6	923	32	1.00
460	.	.	.	.	.	.	3	465	3	903	28	0.90	3	465	3	903	28	0.90
TOTAL/MEAN	48	405	48	685	130	1.02	82	396	82	660	172	1.04	136	395	136	657	171	1.03

Table 75. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Unger Lake, 1980.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
220	.	.	.	.	.	.	1	220	1	100	.	0.94	1	220	1	100	.	0.94
290	.	.	.	.	.	.	2	299	2	271	13	1.02	2	299	2	271	13	1.02
300	1	306	1	300	.	1.05	.	.	.	.	.	.	1	306	1	300	.	1.05
310	.	.	.	.	.	.	2	313	2	320	14	1.05	2	313	2	320	14	1.05
320	2	326	2	350	0	1.01	1	324	1	330	.	0.97	3	325	3	343	12	1.00
330	.	.	.	.	.	.	1	338	1	390	.	1.01	1	338	1	390	.	1.01
340	1	346	1	490	.	1.18	2	345	2	390	14	0.95	3	345	3	423	59	1.03
350	5	355	5	510	10	1.14	1	355	1	500	.	1.12	6	355	6	508	10	1.14
360	5	365	5	536	27	1.10	2	365	2	560	14	1.16	7	365	7	543	26	1.12
370	8	375	8	594	52	1.13	4	375	4	578	26	1.10	12	375	12	588	44	1.12
380	14	385	14	626	44	1.10	9	385	9	632	44	1.10	23	385	23	629	44	1.10
390	9	395	9	656	26	1.07	6	394	6	677	23	1.10	15	395	15	664	26	1.08
400	9	403	9	696	35	1.06	10	405	10	721	41	1.09	19	404	19	709	40	1.07
410	4	415	4	760	62	1.06	5	413	5	764	36	1.08	9	414	9	762	46	1.07
420	1	427	1	810	.	1.04	5	422	5	784	36	1.04	6	423	6	788	34	1.04
430	1	430	1	890	.	1.12	3	436	3	860	69	1.04	4	435	4	868	59	1.06
440	1	444	1	940	.	1.07	3	444	3	820	20	0.94	4	444	4	850	62	0.97
450	.	.	.	.	.	.	1	456	1	980	.	1.03	1	456	1	980	.	1.03
460	.	.	.	.	.	.	1	467	1	1070	.	1.05	1	467	1	1070	.	1.05
530	.	.	.	.	.	.	1	534	1	1700	.	1.12	1	534	1	1700	.	1.12
TOTAL/MEAN	61	384	61	624	115	1.09	60	392	60	670	226	1.07	121	388	121	647	180	1.08

Table 76. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Unger Lake, 1986.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
200	2	209	2	87	2	0.95	.	.	.	.	.	.	2	209	2	87	2	0.95
240	1	240	1	141	.	1.02	.	.	.	.	.	.	1	240	1	141	.	1.02
260	1	267	1	175	.	0.92	1	269	1	202	.	1.04	2	268	2	189	19	0.98
280	.	.	.	.	.	.	3	284	3	230	10	1.00	3	284	3	230	10	1.00
370	2	374	2	575	42	1.10	.	.	.	.	.	.	2	374	2	575	42	1.10
380	2	385	2	575	45	1.01	2	386	2	570	6	0.99	4	385	4	572	27	1.00
390	1	394	1	662	.	1.08	2	395	2	619	53	1.01	3	394	3	633	45	1.03
400	1	408	1	613	.	0.90	3	405	3	673	43	1.02	4	406	4	658	46	0.99
410	4	415	4	696	31	0.97	2	412	2	658	120	0.94	6	414	6	683	62	0.96
420	3	422	3	722	45	0.96	3	424	3	700	38	0.92	6	423	6	711	40	0.94
430	.	.	.	.	.	.	1	438	1	867	.	1.03	1	438	1	867	.	1.03
440	.	.	.	.	.	.	2	449	2	853	21	0.95	2	449	2	853	21	0.95
450	.	.	.	.	.	.	2	455	2	934	138	0.99	2	455	2	934	138	0.99
470	.	.	.	.	.	.	2	473	2	991	28	0.94	2	473	2	991	28	0.94
480	.	.	.	.	.	.	1	487	1	1109	.	0.96	1	487	1	1109	.	0.96
TOTAL/MEAN	17	363	17	530	242	0.99	24	403	24	676	257	0.98	41	386	41	616	258	0.98

Table 77. Length and weight data, by age, for walleye caught by gill nets in Unger Lake, 1977.

AGE (years)	MALES							FEMALES							COMBINED						
	LENGTH (mm)			WEIGHT (g)			K	LENGTH (mm)			WEIGHT (g)			K	LENGTH (mm)			WEIGHT (g)			K
	N	MEAN	SD	N	MEAN	SD		N	MEAN	SD	N	MEAN	SD		N	MEAN	SD	N	MEAN	SD	
2	.	.	.	.	.	.	.	1	227	.	1	105	.	0.90	1	227	.	1	105	.	0.90
3	.	.	.	.	.	.	.	2	278	11	2	225	35	1.04	2	278	11	2	225	35	1.04
4	.	.	.	.	.	.	.	1	302	.	1	295	.	1.07	1	302	.	1	295	.	1.07
5	1	339	.	1	400	.	1.03	1	338	.	1	440	.	1.14	2	339	1	2	420	28	1.08
6	2	346	1	2	433	18	1.04	6	364	9	6	527	23	1.09	8	360	11	8	503	48	1.08
7	3	371	9	3	543	59	1.06	14	376	14	14	577	58	1.08	17	375	13	17	571	58	1.08
8	.	.	.	.	.	.	.	6	398	14	6	672	70	1.07	6	398	14	6	672	70	1.07
9	1	402	.	1	675	.	1.04	11	405	14	11	694	71	1.04	12	405	13	12	692	68	1.04
10	3	386	26	3	595	102	1.03	9	428	20	9	798	85	1.02	12	417	28	12	748	125	1.02
11	7	393	18	7	642	90	1.05	7	418	24	7	761	117	1.04	14	406	25	14	702	118	1.04
12	6	416	19	6	732	102	1.01	7	429	24	7	791	152	0.99	13	423	22	13	763	130	1.00
13	12	422	19	12	765	107	1.02	3	453	14	3	922	41	1.00	15	428	22	15	796	116	1.01
14	3	428	6	3	800	33	1.02	1	440	.	1	805	.	0.95	4	431	8	4	801	27	1.00
15	1	442	.	1	795	.	0.92	1	404	.	1	670	.	1.02	2	423	27	2	733	88	0.97
16	1	410	.	1	690	.	1.00	.	.	.	.	.	.	.	1	410	.	1	690	.	1.00
18	1	452	.	1	900	.	0.97	.	.	.	.	.	.	.	1	452	.	1	900	.	0.97
TOTAL/MEAN	41	405	30	41	688	137	1.03	70	396	43	70	664	174	1.04	111	399	39	111	673	161	1.04

Table 78. Length and weight data, by age, for walleye caught by gill nets in Unger Lake, 1980.

AGE (years)	MALES							FEMALES							COMBINED						
	LENGTH (mm)			WEIGHT (g)			K	LENGTH (mm)			WEIGHT (g)			K	LENGTH (mm)			WEIGHT (g)			K
	N	MEAN	SD	N	MEAN	SD		N	MEAN	SD	N	MEAN	SD		N	MEAN	SD	N	MEAN	SD	
2	.	.	.	.	.	.	.	1	220	.	1	100	.	0.94	1	220	.	1	100	.	0.94
4	3	319	12	3	333	29	1.02	7	318	17	7	326	47	1.01	10	318	15	10	328	41	1.01
5	3	351	5	3	500	10	1.15	3	355	7	3	490	85	1.09	6	353	6	6	495	55	1.12
6	.	.	.	.	.	.	.	1	367	.	1	550	.	1.11	1	367	.	1	550	.	1.11
7	2	371	16	2	550	42	1.08	3	395	11	3	680	70	1.10	5	385	17	5	628	89	1.09
8	3	363	8	3	530	10	1.11	5	400	7	5	696	48	1.09	8	386	20	8	634	93	1.09
9	5	383	9	5	620	38	1.10	9	389	13	9	652	65	1.11	14	387	12	14	641	57	1.10
10	15	381	15	15	621	69	1.12	10	399	15	10	700	63	1.10	25	388	17	25	652	76	1.11
11	5	384	8	5	604	67	1.06	3	412	10	3	727	84	1.04	8	395	16	8	650	93	1.05
12	2	403	11	2	695	35	1.06	4	404	29	4	693	85	1.06	6	404	23	6	693	67	1.06
13	8	390	17	8	628	62	1.05	5	426	16	5	814	64	1.06	13	404	24	13	699	112	1.06
14	4	403	17	4	708	75	1.09	4	435	17	4	873	85	1.06	8	419	23	8	790	115	1.07
15	6	402	10	6	703	49	1.08	3	431	43	3	807	270	0.98	9	412	27	9	738	150	1.05
16	2	405	19	2	740	156	1.11	1	434	.	1	780	.	0.95	3	414	22	3	753	112	1.06
17	2	418	17	2	790	141	1.08	.	.	.	.	.	.	.	2	418	17	2	790	141	1.08
19	1	444	.	1	940	.	1.07	.	.	.	.	.	.	.	1	444	.	1	940	.	1.07
20	.	.	.	.	.	.	.	1	534	.	1	1700	.	1.12	1	534	.	1	1700	.	1.12
TOTAL/MEAN	61	384	25	61	624	115	1.09	60	392	47	60	670	226	1.07	121	388	37	121	647	180	1.08

Table 79. Length and weight data, by age, for walleye caught by gill nets in Unger Lake, 1986.

AGE (years)	MALES							FEMALES							COMBINED						
	LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)			
	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K
2	2	209	1	2	87	2	0.95	.	.	.	.	.	.	.	2	209	1	2	87	2	0.95
3	2	254	18	2	158	24	0.97	2	277	11	2	221	26	1.04	4	265	18	4	189	42	1.01
4	.	.	.	.	.	.	.	2	285	5	2	225	8	0.98	2	285	5	2	225	8	0.98
7	1	373	.	1	545	.	1.05	4	391	8	4	591	35	0.99	5	387	11	5	581	36	1.00
8	.	.	.	.	.	.	.	1	410	.	1	742	.	1.08	1	410	.	1	742	.	1.08
9	1	375	.	1	604	.	1.15	4	415	23	4	726	100	1.02	5	407	26	5	701	102	1.04
10	1	384	.	1	543	.	0.96	3	438	29	3	798	153	0.94	4	425	36	4	734	179	0.95
11	1	394	.	1	662	.	1.08	1	449	.	1	838	.	0.93	2	422	39	2	750	124	1.00
12	1	425	.	1	683	.	0.89	1	413	.	1	573	.	0.81	2	419	8	2	628	78	0.85
13	1	410	.	1	664	.	0.96	2	445	9	2	852	22	0.97	3	433	21	3	789	109	0.97
14	2	418	1	2	707	38	0.97	4	462	25	4	957	192	0.96	6	447	30	6	873	197	0.96
15	3	419	4	3	730	37	0.99	.	.	.	.	.	.	.	3	419	4	3	730	37	0.99
16	1	386	.	1	607	.	1.06	.	.	.	.	.	.	.	1	386	.	1	607	.	1.06
18	1	408	.	1	613	.	0.90	.	.	.	.	.	.	.	1	408	.	1	613	.	0.90
TOTAL/MEAN	17	363	78	17	530	242	0.99	24	403	63	24	676	257	0.98	41	386	71	41	616	258	0.98

Table 80. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Martin Lake, 1977.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
230	.	.	.	.	.	.	.	.	.	.	.	.	1	237	1	140	.	1.05
250	.	.	.	.	.	.	.	.	.	.	.	.	1	259	1	175	.	1.01
270	.	.	.	.	.	.	.	.	.	.	.	.	1	275	1	205	.	0.99
280	.	.	.	.	.	.	.	.	.	.	.	.	2	280	2	230	0	1.05
310	.	.	.	.	.	.	1	318	1	310	.	0.96	1	318	1	310	.	0.96
330	1	339	1	385	.	0.99	.	.	.	.	.	.	1	339	1	385	.	0.99
340	3	346	3	427	12	1.03	3	343	3	417	25	1.03	6	345	6	422	18	1.03
350	1	352	1	415	.	0.95	1	350	1	450	.	1.05	2	351	2	433	25	1.00
360	7	364	7	503	45	1.04	3	363	3	508	65	1.06	10	364	10	505	48	1.05
370	3	375	3	563	26	1.07	3	372	3	550	56	1.07	6	373	6	557	39	1.07
380	5	384	5	628	50	1.11	3	386	3	623	47	1.08	8	385	8	626	45	1.10
390	14	395	14	699	45	1.13	11	394	11	648	34	1.06	25	395	25	676	47	1.10
400	11	405	11	733	18	1.11	6	405	6	715	55	1.08	17	405	17	727	35	1.10
410	12	416	12	790	36	1.10	9	413	9	743	43	1.05	21	415	21	770	45	1.08
420	10	425	10	817	61	1.07	14	425	14	829	52	1.08	24	425	24	824	55	1.07
430	4	435	4	916	88	1.11	5	433	5	881	52	1.09	9	434	9	897	68	1.10
440	6	443	6	938	28	1.08	10	446	10	956	69	1.08	16	445	16	949	56	1.08
450	2	454	2	1035	21	1.11	5	453	5	1014	27	1.09	7	453	7	1020	26	1.10
460	2	465	2	1050	85	1.04	7	464	7	1082	70	1.08	9	464	9	1075	69	1.07
470	.	.	.	.	.	.	6	475	6	1175	70	1.10	6	475	6	1175	70	1.10
480	.	.	.	.	.	.	5	482	5	1160	103	1.03	5	482	5	1160	103	1.03
490	.	.	.	.	.	.	1	490	1	1150	.	0.98	1	490	1	1150	.	0.98
500	.	.	.	.	.	.	3	504	3	1370	40	1.07	3	504	3	1370	40	1.07
510	.	.	.	.	.	.	3	512	3	1397	50	1.04	3	512	3	1397	50	1.04
TOTAL/MEAN	81	405	81	733	160	1.09	99	429	99	865	252	1.07	185	414	185	789	243	1.08

Table 81. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Martin Lake, 1980.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
310	.	.	.	.	.	.	1	314	1	350	.	1.13	1	314	1	350	.	1.13
320	1	321	1	400	.	1.21	2	324	2	340	28	1.00	3	323	3	360	40	1.07
330	3	334	3	390	10	1.05	1	335	1	400	.	1.06	4	334	4	393	10	1.05
340	7	345	7	436	24	1.06	2	348	2	435	21	1.04	9	346	9	436	22	1.05
350	3	354	3	490	26	1.10	2	356	2	485	21	1.08	5	355	5	488	22	1.09
360	2	365	2	535	35	1.10	2	366	2	515	35	1.05	4	366	4	525	31	1.07
370	4	376	4	578	25	1.09	3	374	3	543	25	1.04	7	375	7	563	29	1.07
380	6	384	6	615	31	1.08	7	384	7	611	44	1.08	13	384	13	613	37	1.08
390	8	395	8	658	45	1.07	7	396	7	647	38	1.04	15	395	15	653	41	1.06
400	3	406	3	740	40	1.11	5	406	5	708	46	1.06	8	406	8	720	44	1.08
410	2	412	2	720	57	1.03	5	414	5	768	32	1.09	7	413	7	754	42	1.07
420	4	424	4	823	52	1.08	3	423	3	770	30	1.01	7	424	7	800	49	1.05
430	.	.	.	.	.	.	3	434	3	863	38	1.05	3	434	3	863	38	1.05
440	.	.	.	.	.	.	5	445	5	880	73	1.00	5	445	5	880	73	1.00
450	.	.	.	.	.	.	5	456	5	1002	48	1.06	5	456	5	1002	48	1.06
460	.	.	.	.	.	.	6	464	6	1028	61	1.03	6	464	6	1028	61	1.03
470	.	.	.	.	.	.	5	473	5	1160	137	1.09	5	473	5	1160	137	1.09
480	.	.	.	.	.	.	1	481	1	1100	.	0.99	1	481	1	1100	.	0.99
510	.	.	.	.	.	.	2	513	2	1445	35	1.07	2	513	2	1445	35	1.07
520	.	.	.	.	.	.	1	523	1	1550	.	1.08	1	523	1	1550	.	1.08
TOTAL/MEAN	43	378	43	590	134	1.08	68	417	68	793	271	1.05	111	402	111	715	248	1.06

Table 82. Length and weight data, by age, for walleye caught by gill nets in Martin Lake, 1977.

AGE (years)	MALES							FEMALES							COMBINED						
	LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)			
	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K
4	.	.	.	.	.	.	.	1	318	.	1	310	.	0.96	1	318	.	1	310	.	0.96
5	.	.	.	.	.	.	.	1	344	.	1	420	.	1.03	1	344	.	1	420	.	1.03
6	2	353	19	2	430	64	0.98	4	357	14	4	474	68	1.04	6	355	14	6	459	64	1.02
7	5	359	11	5	473	53	1.02	11	403	16	11	711	91	1.08	16	390	25	16	637	139	1.06
8	6	406	34	6	745	213	1.09	3	396	3	3	637	23	1.03	9	403	28	9	709	177	1.07
9	8	406	17	8	747	78	1.11	9	435	35	9	926	261	1.10	17	421	30	17	841	212	1.10
10	9	418	15	9	807	89	1.10	8	427	22	8	846	129	1.08	17	422	18	17	825	108	1.09
11	11	423	25	11	810	151	1.06	14	449	27	14	972	167	1.06	25	437	29	25	901	177	1.06
12	1	385	.	1	700	.	1.23	7	442	27	7	966	204	1.11	8	435	32	8	933	211	1.12
13	3	424	28	3	810	190	1.05	2	483	43	2	1198	272	1.06	5	448	43	5	965	286	1.05
14	1	414	.	1	760	.	1.07	.	.	.	.	.	.	.	1	414	.	1	760	.	1.07
16	.	.	.	.	.	.	.	1	511	.	1	1450	.	1.09	1	511	.	1	1450	.	1.09
TOTAL/MEAN	46	406	30	46	733	170	1.08	61	425	41	61	847	251	1.07	107	417	38	107	798	226	1.07

Table 83. Length and weight data, by age, for walleye caught by gill nets in Martin Lake, 1980.

AGE (years)	MALES							FEMALES							COMBINED						
	LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)			
	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K
5	3	352	42	3	487	159	1.10	3	320	6	3	343	21	1.05	6	336	32	6	415	128	1.07
6	9	347	10	9	450	48	1.07	8	356	13	8	474	48	1.05	17	351	12	17	461	48	1.06
7	5	363	13	5	520	69	1.08	7	382	9	7	597	49	1.07	12	374	14	12	565	68	1.07
8	2	374	25	2	565	92	1.08	.	.	.	.	.	.	.	2	374	25	2	565	92	1.08
9	4	388	10	4	633	51	1.08	8	406	13	8	723	57	1.08	12	400	15	12	693	69	1.08
10	4	387	13	4	663	68	1.14	8	410	20	8	730	115	1.05	12	403	21	12	708	104	1.08
11	1	384	.	1	570	.	1.01	2	436	54	2	880	339	1.04	3	418	49	3	777	299	1.03
12	.	.	.	.	.	.	.	3	406	13	3	687	61	1.02	3	406	13	3	687	61	1.02
13	6	394	12	6	675	73	1.10	3	438	27	3	897	140	1.06	9	409	27	9	749	143	1.08
14	3	411	15	3	733	142	1.05	9	455	33	9	1002	225	1.04	12	444	35	12	935	235	1.05
15	4	413	15	4	750	106	1.06	5	456	14	5	978	113	1.03	9	437	26	9	877	158	1.04
16	1	335	.	1	380	.	1.01	4	444	32	4	923	179	1.04	5	422	56	5	814	288	1.04
17	1	422	.	1	750	.	1.00	3	491	48	3	1303	360	1.08	4	474	52	4	1165	404	1.06
18	.	.	.	.	.	.	.	3	461	15	3	1090	295	1.10	3	461	15	3	1090	295	1.10
19	.	.	.	.	.	.	.	1	464	.	1	930	.	0.93	1	464	.	1	930	.	0.93
20	.	.	.	.	.	.	.	1	481	.	1	1100	.	0.99	1	481	.	1	1100	.	0.99
TOTAL/MEAN	43	378	29	43	590	134	1.08	68	417	47	68	793	271	1.05	111	402	45	111	715	248	1.06

Table 84. Length and weight data, by 10mm fork length intervals, for northern pike caught by gill nets in Martin Lake, 1977.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
280	.	.	.	.	.	.	.	.	.	.	.	.	1	280	1	160	.	0.73
290	.	.	.	.	.	.	.	.	.	.	.	.	1	293	1	200	.	0.80
320	.	.	.	.	.	.	.	.	.	.	.	.	1	327	1	260	.	0.74
400	.	.	.	.	.	.	.	.	.	.	.	.	1	405	1	430	.	0.65
410	.	.	.	.	.	.	.	.	.	.	.	.	1	410	1	510	.	0.74
430	.	.	.	.	.	.	.	.	.	.	.	.	1	432	1	530	.	0.66
470	.	.	.	.	.	.	.	.	.	.	.	.	2	475	2	773	53	0.72
480	.	.	.	.	.	.	.	.	.	.	.	.	2	482	2	803	46	0.72
490	.	.	.	.	.	.	.	.	.	.	.	.	3	493	3	870	109	0.72
500	.	.	.	.	.	.	.	.	.	.	.	.	2	508	2	885	21	0.68
510	.	.	.	.	.	.	.	.	.	.	.	.	2	516	2	895	49	0.65
520	.	.	.	.	.	.	.	.	.	.	.	.	6	525	6	943	41	0.65
540	.	.	.	.	.	.	.	.	.	.	.	.	1	543	1	1035	.	0.65
550	.	.	.	.	.	.	.	.	.	.	.	.	2	556	2	1185	163	0.69
560	.	.	.	.	.	.	.	.	.	.	.	.	1	563	1	1120	.	0.63
580	.	.	.	.	.	.	.	.	.	.	.	.	2	588	2	1340	71	0.66
590	.	.	.	.	.	.	.	.	.	.	.	.	1	592	1	1170	.	0.56
600	.	.	.	.	.	.	.	.	.	.	.	.	2	605	2	1475	318	0.67
620	.	.	.	.	.	.	.	.	.	.	.	.	1	627	1	1550	.	0.63
630	.	.	.	.	.	.	.	.	.	.	.	.	1	630	1	1740	.	0.70
640	.	.	.	.	.	.	.	.	.	.	.	.	2	645	2	1843	95	0.69
650	.	.	.	.	.	.	.	.	.	.	.	.	1	654	1	1800	.	0.64
670	.	.	.	.	.	.	.	.	.	.	.	.	1	672	1	2180	.	0.72
710	.	.	.	.	.	.	.	.	.	.	.	.	1	715	1	2350	.	0.64
760	.	.	.	.	.	.	.	.	.	.	.	.	1	765	1	3250	.	0.73
770	.	.	.	.	.	.	1	775	1	4030	.	0.87	1	775	1	4030	.	0.87
810	.	.	.	.	.	.	.	.	.	.	.	.	1	817	1	3360	.	0.62
840	.	.	.	.	.	.	1	841	1	4645	.	0.78	1	841	1	4645	.	0.78
850	.	.	.	.	.	.	1	853	1	5200	.	0.84	1	853	1	5200	.	0.84
880	.	.	.	.	.	.	.	.	.	.	.	.	1	882	1	6280	.	0.92
TOTAL/MEAN	.	.	.	.	.	.	3	823	3	4625	585	0.83	45	566	45	1521	1318	0.69

Table 85. Length and weight data, by 10mm fork length intervals, for white sucker caught by gill nets in Martin Lake, 1980.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
190	1	198	1	100	.	1.29	.	.	.	.	.	.	1	198	1	100	.	1.29
220	1	223	1	140	.	1.26	.	.	.	.	.	.	1	223	1	140	.	1.26
260	1	265	1	290	.	1.56	.	.	.	.	.	.	1	265	1	290	.	1.56
280	1	285	1	360	.	1.56	1	282	1	320	.	1.43	2	284	2	340	28	1.49
290	1	294	1	380	.	1.50	2	298	2	390	14	1.48	3	296	3	387	12	1.49
300	.	.	.	.	.	.	1	306	1	410	.	1.43	1	306	1	410	.	1.43
310	2	315	2	460	42	1.47	.	.	.	.	.	.	2	315	2	460	42	1.47
330	1	330	1	550	.	1.53	4	336	4	543	17	1.44	5	334	5	544	15	1.46
340	1	344	1	510	.	1.25	1	345	1	600	.	1.46	2	345	2	555	64	1.36
350	1	351	1	620	.	1.43	2	354	2	630	28	1.42	3	353	3	627	21	1.42
360	2	362	2	675	21	1.42	4	363	4	740	42	1.54	6	363	6	718	48	1.50
370	.	.	.	.	.	.	8	374	8	776	44	1.48	8	374	8	776	44	1.48
380	.	.	.	.	.	.	2	388	2	800	198	1.37	2	388	2	800	198	1.37
390	1	393	1	900	.	1.48	1	397	1	920	.	1.47	2	395	2	910	14	1.48
400	.	.	.	.	.	.	1	406	1	1030	.	1.54	1	406	1	1030	.	1.54
410	.	.	.	.	.	.	3	413	3	993	47	1.41	3	413	3	993	47	1.41
440	.	.	.	.	.	.	1	440	1	1240	.	1.46	1	440	1	1240	.	1.46
TOTAL/MEAN	13	311	13	471	224	1.43	31	364	31	725	213	1.46	44	348	44	650	244	1.45

Table 86. Length and weight data, by 10mm fork length intervals, for lake whitefish caught by gill nets in Martin Lake, 1977.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
180	.	.	.	.	.	.	.	.	.	.	.	.	1	189	1	80	.	1.18
230	.	.	.	.	.	.	.	.	.	.	.	.	1	235	1	190	.	1.46
250	.	.	.	.	.	.	.	.	.	.	.	.	2	254	2	220	0	1.34
260	.	.	.	.	.	.	.	.	.	.	.	.	1	264	1	240	.	1.30
270	.	.	.	.	.	.	.	.	.	.	.	.	2	274	2	290	14	1.42
280	.	.	.	.	.	.	.	.	.	.	.	.	1	282	1	320	.	1.43
290	.	.	.	.	.	.	1	298	1	385	.	1.45	2	295	2	358	39	1.39
300	1	307	1	405	.	1.40	.	.	.	.	.	.	2	304	2	388	25	1.38
310	2	314	2	440	21	1.42	1	317	1	445	.	1.40	13	316	13	452	17	1.44
320	1	328	1	550	.	1.56	3	325	3	462	14	1.34	7	325	7	481	36	1.41
330	2	335	2	543	11	1.45	2	336	2	548	11	1.44	7	336	7	560	21	1.48
340	2	345	2	600	0	1.47	2	343	2	533	53	1.33	9	344	9	581	36	1.43
350	.	.	.	.	.	.	.	.	.	.	.	.	9	356	9	636	37	1.41
360	1	360	1	635	.	1.36	3	364	3	680	15	1.41	7	363	7	686	32	1.44
370	2	376	2	773	67	1.46	2	374	2	748	74	1.43	6	374	6	757	46	1.44
380	.	.	.	.	.	.	3	384	3	777	10	1.37	5	383	5	798	31	1.42
390	.	.	.	.	.	.	.	.	.	.	.	.	2	394	2	855	35	1.40
400	.	.	.	.	.	.	1	406	1	925	.	1.38	2	404	2	943	25	1.44
410	1	414	1	840	.	1.18	.	.	.	.	.	.	2	416	2	935	134	1.30
TOTAL/MEAN	12	346	12	595	142	1.43	18	353	18	620	155	1.39	81	338	81	571	185	1.42

Table 87. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Quigly Lake, 1978.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
220	1	225	1	85	.	0.75	1	223	1	85	.	0.77	2	224	2	85	0	0.76
260	.	.	.	.	.	.	2	264	2	175	7	0.96	2	264	2	175	7	0.96
280	1	281	1	200	.	0.90	5	284	5	220	17	0.96	6	284	6	217	17	0.95
290	1	295	1	265	.	1.03	.	.	.	.	.	.	1	295	1	265	.	1.03
300	.	.	.	.	.	.	3	309	3	285	13	0.97	3	309	3	285	13	0.97
310	3	314	3	317	18	1.03	4	315	4	300	4	0.96	7	314	7	307	14	0.99
320	1	326	1	350	.	1.01	5	325	5	345	24	1.00	6	326	6	346	22	1.00
330	4	337	4	394	25	1.03	7	333	7	373	21	1.01	11	334	11	380	24	1.02
340	6	346	6	425	18	1.03	3	343	3	388	28	0.96	9	345	9	413	27	1.01
350	8	354	8	466	29	1.05	7	355	7	451	22	1.01	15	354	15	459	26	1.03
360	8	365	8	489	40	1.01	17	364	17	491	34	1.02	25	364	25	490	35	1.01
370	6	373	6	549	37	1.06	21	374	21	521	46	0.99	27	374	27	527	45	1.01
380	12	385	12	596	24	1.05	21	384	21	573	44	1.01	34	384	34	583	39	1.03
390	1	392	1	710	.	1.18	16	395	16	626	52	1.01	17	395	17	631	54	1.02
400	3	406	3	715	49	1.07	6	404	6	678	24	1.03	9	404	9	690	36	1.04
410	1	412	1	700	.	1.00	8	414	8	698	58	0.98	9	414	9	698	54	0.99
420	2	423	2	745	7	0.98	6	422	6	703	45	0.93	8	423	8	713	43	0.95
430	.	.	.	.	.	.	2	432	2	725	28	0.90	2	432	2	725	28	0.90
440	.	.	.	.	.	.	4	444	4	925	100	1.06	4	444	4	925	100	1.06
450	.	.	.	.	.	.	2	455	2	1003	110	1.07	2	455	2	1003	110	1.07
460	.	.	.	.	.	.	3	462	3	1045	57	1.06	3	462	3	1045	57	1.06
490	.	.	.	.	.	.	1	495	1	1000	.	0.82	1	495	1	1000	.	0.82
TOTAL/MEAN	58	361	58	502	135	1.03	144	375	144	547	185	1.00	203	371	203	534	172	1.01

Table 88. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Quigly Lake, 1980.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
250	1	252	1	180	.	1.12	.	.	.	.	.	.	1	252	1	180	.	1.12
260	.	.	.	.	.	.	2	264	2	191	13	1.04	2	264	2	191	13	1.04
270	4	276	4	215	24	1.03	2	278	2	205	7	0.95	6	276	6	212	19	1.00
280	1	280	1	205	.	0.93	.	.	.	.	.	.	1	280	1	205	.	0.93
290	3	294	3	260	17	1.02	.	.	.	.	.	.	3	294	3	260	17	1.02
300	1	306	1	300	.	1.05	2	307	2	305	7	1.06	3	306	3	303	6	1.06
310	2	317	2	345	64	1.08	1	316	1	310	.	0.98	3	317	3	333	49	1.05
320	4	325	4	370	8	1.08	7	324	7	369	41	1.08	11	324	11	369	32	1.08
330	4	334	4	413	30	1.11	4	334	4	398	24	1.07	8	334	8	405	26	1.09
340	3	344	3	430	52	1.06	5	346	5	442	36	1.07	8	345	8	438	39	1.06
350	3	355	3	490	17	1.09	5	355	5	464	29	1.04	8	355	8	474	27	1.06
360	6	364	6	512	34	1.06	8	364	8	521	30	1.08	14	364	14	517	31	1.07
370	5	376	5	538	48	1.02	8	374	8	535	43	1.03	13	374	13	536	43	1.02
380	7	385	7	600	37	1.05	11	385	11	582	31	1.02	18	385	18	589	33	1.03
390	4	395	4	625	25	1.01	3	395	3	597	86	0.97	7	395	7	613	55	0.99
400	2	403	2	675	49	1.03	5	403	5	672	75	1.03	7	403	7	673	65	1.03
410	1	414	1	680	.	0.96	.	.	.	.	.	.	1	414	1	680	.	0.96
420	.	.	.	.	.	.	3	424	3	743	51	0.98	3	424	3	743	51	0.98
430	.	.	.	.	.	.	2	435	2	895	64	1.09	2	435	2	895	64	1.09
440	.	.	.	.	.	.	1	445	1	870	.	0.99	1	445	1	870	.	0.99
TOTAL/MEAN	51	348	51	459	147	1.05	69	363	69	512	155	1.04	120	357	120	489	153	1.04

Table 89. Length and weight data, by 10mm fork length intervals, for walleye caught by gill nets in Quigly Lake, 1981.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
250	.	.	.	.	.	.	1	255	1	160	.	0.96	1	255	1	160	.	0.96
270	.	.	.	.	.	.	1	273	1	200	.	0.98	1	273	1	200	.	0.98
280	.	.	.	.	.	.	1	280	1	250	.	1.14	1	280	1	250	.	1.14
300	.	.	.	.	.	.	1	308	1	300	.	1.03	2	308	2	300	0	1.03
310	3	312	3	317	14	1.05	.	.	.	.	.	.	3	312	3	317	14	1.05
320	1	327	1	375	.	1.07	2	328	2	375	0	1.06	3	328	3	375	0	1.07
330	1	333	1	400	.	1.08	3	331	3	367	14	1.01	4	332	4	375	20	1.03
340	.	.	.	.	.	.	1	348	1	450	.	1.07	1	348	1	450	.	1.07
350	3	353	3	475	43	1.08	2	355	2	513	88	1.14	5	354	5	490	58	1.11
360	3	362	3	477	25	1.00	5	364	5	510	38	1.06	8	363	8	498	36	1.04
370	2	378	2	588	53	1.09	6	371	6	521	37	1.02	8	373	8	538	48	1.04
380	2	387	2	663	18	1.14	8	382	8	588	63	1.05	10	383	10	603	64	1.07
390	2	395	2	675	35	1.09	6	395	6	678	69	1.10	8	395	8	677	60	1.10
400	.	.	.	.	.	.	5	403	5	680	41	1.04	5	403	5	680	41	1.04
410	.	.	.	.	.	.	5	413	5	705	41	1.00	5	413	5	705	41	1.00
420	.	.	.	.	.	.	1	424	1	825	.	1.08	1	424	1	825	.	1.08
430	.	.	.	.	.	.	1	430	1	825	.	1.04	1	430	1	825	.	1.04
440	.	.	.	.	.	.	1	445	1	975	.	1.11	1	445	1	975	.	1.11
450	.	.	.	.	.	.	1	452	1	990	.	1.07	1	452	1	990	.	1.07
TOTAL/MEAN	17	356	17	496	130	1.07	51	375	51	573	174	1.05	69	369	69	550	168	1.06

Table 90. Length and weight data, by age, for walleye caught by gill nets in Quigly Lake, 1978.

AGE (years)	MALES							FEMALES							COMBINED						
	LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)			
	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K
3	1	225	.	1	85	.	0.75	1	223	.	1	85	.	0.77	2	224	1	2	85	0	0.76
4	1	319	.	1	335	.	1.03	10	293	23	10	247	59	0.96	11	295	23	11	255	62	0.97
5	5	307	20	5	292	66	1.00	6	317	23	6	320	86	0.98	11	312	21	11	307	75	0.99
6	2	362	19	2	500	99	1.05	7	340	22	7	399	85	1.01	9	344	22	9	422	93	1.02
7	2	362	6	2	460	21	0.97	8	357	20	8	456	76	1.00	10	358	18	10	457	67	0.99
8	4	360	34	4	486	144	1.03	16	367	17	16	503	74	1.01	20	366	20	20	500	87	1.01
9	2	348	4	2	415	35	0.99	6	380	12	6	531	39	0.97	8	372	18	8	502	64	0.98
10	8	381	26	8	595	118	1.06	19	371	24	19	520	101	1.01	27	374	24	27	542	110	1.02
11	10	367	22	10	522	101	1.05	15	387	22	15	581	113	0.99	25	379	24	25	558	110	1.01
12	11	367	16	11	517	98	1.04	23	393	23	23	629	124	1.03	34	384	24	34	593	127	1.03
13	5	372	27	5	548	101	1.06	15	409	33	15	679	185	0.97	20	400	35	20	646	175	0.99
14	4	379	13	4	570	60	1.04	10	413	27	10	722	149	1.01	14	403	26	14	678	146	1.02
15	1	368	.	1	520	.	1.04	6	414	54	6	723	258	0.99	7	408	52	7	694	248	1.00
16	1	384	.	1	580	.	1.02	1	418	.	1	695	.	0.95	2	401	24	2	638	81	0.99
17	1	424	.	1	740	.	0.97	.	.	.	.	.	.	.	1	424	.	1	740	.	0.97
TOTAL/MEAN	58	361	34	58	502	135	1.03	143	374	43	143	543	180	1.00	201	370	41	201	531	169	1.01

Table 91. Length and weight data, by age, for walleye caught by gill nets in Quigly Lake, 1980.

AGE (years)	MALES							FEMALES							COMBINED						
	LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)			
	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K
3	1	252	.	1	180	.	1.12	.	.	.	.	.	.	.	1	252	.	1	180	.	1.12
4	1	272	.	1	200	.	0.99	1	265	.	1	200	.	1.07	2	269	5	2	200	0	1.03
5	7	285	9	7	235	30	1.02	5	289	23	5	246	68	1.00	12	286	16	12	240	47	1.01
6	5	325	14	5	352	48	1.02	5	322	10	5	346	42	1.03	10	324	11	10	349	43	1.03
7	3	341	34	3	437	99	1.10	10	338	25	10	462	77	1.24	13	339	25	13	456	78	1.21
8	1	353	.	1	510	.	1.16	10	354	17	10	478	68	1.07	11	354	16	11	481	65	1.08
9	3	355	17	3	473	67	1.05	4	360	8	4	490	54	1.05	7	358	11	7	483	55	1.05
10	5	354	27	5	464	69	1.04	5	370	10	5	524	56	1.03	10	362	21	10	494	77	1.03
11	1	322	.	1	370	.	1.11	1	316	.	1	310	.	0.98	2	319	4	2	340	42	1.05
12	2	365	4	2	495	21	1.02	4	388	29	4	615	160	1.04	6	380	26	6	575	139	1.03
13	5	377	12	5	546	48	1.02	9	393	17	9	617	90	1.01	14	388	17	14	591	83	1.01
14	5	374	28	5	554	118	1.05	5	395	16	5	626	83	1.01	10	385	24	10	590	103	1.03
15	6	385	10	6	600	30	1.05	4	397	9	4	603	64	0.96	10	390	11	10	601	43	1.02
16	3	383	44	3	580	140	1.03	2	406	27	2	710	127	1.06	5	392	36	5	632	138	1.04
17	1	383	.	1	610	.	1.09	2	410	50	2	685	262	0.97	3	401	39	3	660	190	1.01
18	1	386	.	1	670	.	1.16	1	437	.	1	940	.	1.13	2	412	36	2	805	191	1.15
19	1	363	.	1	570	.	1.19	.	.	.	.	.	.	.	1	363	.	1	570	.	1.19
TOTAL/MEAN	51	348	41	51	459	147	1.05	68	361	40	68	511	156	1.06	119	356	41	119	488	154	1.05

Table 92. Length and weight data, by age, for walleye caught by gill nets in Quigly Lake, 1981.

AGE (years)	MALES							FEMALES							COMBINED						
	LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)				LENGTH (mm)			WEIGHT (g)			
	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K	N	MEAN	SD	N	MEAN	SD	K
4	.	.	.	.	.	.	.	2	264	13	2	180	28	0.97	2	264	13	2	180	28	0.97
6	2	311	1	2	325	0	1.09	5	322	30	5	355	94	1.05	7	319	25	7	346	78	1.06
7	1	356	.	1	500	.	1.11	4	337	13	4	425	100	1.10	5	340	14	5	440	93	1.10
8	1	314	.	1	300	.	0.97	5	385	34	5	630	197	1.08	6	373	42	6	575	222	1.06
9	1	333	.	1	400	.	1.08	6	369	11	6	529	80	1.05	7	364	17	7	511	88	1.05
10	.	.	.	.	.	.	.	2	376	39	2	600	212	1.11	2	376	39	2	600	212	1.11
11	3	358	31	3	502	139	1.07	2	396	1	2	753	32	1.22	5	373	30	5	602	170	1.13
12	1	362	.	1	450	.	0.95	3	404	41	3	688	264	1.01	4	394	40	4	629	246	0.99
13	3	368	17	3	558	101	1.12	3	384	16	3	550	90	0.97	6	376	17	6	554	86	1.04
14	2	385	10	2	638	18	1.12	4	397	19	4	650	108	1.04	6	393	17	6	646	84	1.06
15	1	350	.	1	425	.	0.99	8	392	13	8	626	44	1.05	9	387	18	9	604	79	1.04
16	.	.	.	.	.	.	.	4	417	13	4	750	87	1.03	4	417	13	4	750	87	1.03
17	.	.	.	.	.	.	.	2	414	4	2	725	0	1.03	2	414	4	2	725	0	1.03
20	1	398	.	1	700	.	1.11	.	.	.	.	.	.	.	1	398	.	1	700	.	1.11
TOTAL/MEAN	16	355	29	16	493	133	1.07	50	375	41	50	573	176	1.05	66	370	39	66	553	169	1.06

Table 93. Length and weight data, by 10mm fork length intervals, for white sucker caught by gill nets in Quigly Lake, 1978.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
270	.	.	.	.	.	.	1	271	1	260	.	1.31	1	271	1	260	.	1.31
280	.	.	.	.	.	.	.	.	.	.	.	.	1	281	1	295	.	1.33
290	.	.	.	.	.	.	2	295	2	368	18	1.44	3	295	3	363	14	1.42
300	.	.	.	.	.	.	3	302	3	410	5	1.49	3	302	3	410	5	1.49
310	3	314	3	438	28	1.41	4	314	4	468	27	1.52	7	314	7	455	29	1.47
320	2	326	2	495	0	1.44	1	321	1	495	.	1.50	3	324	3	495	0	1.46
330	1	339	1	530	.	1.36	5	333	5	513	32	1.39	6	334	6	516	29	1.38
340	7	344	7	581	50	1.42	4	344	4	585	28	1.44	12	344	12	580	41	1.42
350	5	353	5	609	36	1.39	6	356	6	629	43	1.40	11	354	11	620	40	1.39
360	13	366	13	700	46	1.43	10	365	10	695	44	1.43	24	366	24	695	45	1.42
370	9	374	9	700	68	1.34	13	375	13	736	53	1.39	23	374	23	720	60	1.37
380	8	383	8	761	69	1.36	18	385	18	795	64	1.39	27	385	27	784	65	1.38
390	6	394	6	876	75	1.44	17	394	17	845	56	1.38	23	394	23	853	62	1.39
400	2	401	2	910	35	1.42	9	404	9	891	92	1.35	11	403	11	894	83	1.37
410	3	416	3	1005	48	1.40	8	414	8	949	59	1.33	11	415	11	964	60	1.35
420	.	.	.	.	.	.	8	424	8	1120	127	1.47	8	424	8	1120	127	1.47
430	.	.	.	.	.	.	6	434	6	1124	68	1.37	6	434	6	1124	68	1.37
440	.	.	.	.	.	.	2	443	2	1168	74	1.34	2	443	2	1168	74	1.34
460	.	.	.	.	.	.	3	461	2	1225	170	1.25	3	461	2	1225	170	1.25
TOTAL/MEAN	59	368	59	704	143	1.40	120	383	119	795	214	1.40	185	376	184	757	201	1.40

Table 94. Length and weight data, by 10mm fork length intervals, for white sucker caught by gill nets in Quigly Lake, 1980.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
200	2	205	2	100	0	1.17	1	204	1	130	.	1.53	3	204	3	110	17	1.29
230	.	.	.	.	.	.	2	235	2	180	0	1.39	2	235	2	180	0	1.39
240	.	.	.	.	.	.	2	243	2	215	21	1.50	2	243	2	215	21	1.50
290	1	299	1	400	.	1.50	1	293	1	380	.	1.51	2	296	2	390	14	1.50
300	1	303	1	390	.	1.40	.	.	.	.	.	.	1	303	1	390	.	1.40
310	1	316	1	490	.	1.55	.	.	.	.	.	.	1	316	1	490	.	1.55
320	1	324	1	550	.	1.62	3	327	3	517	15	1.48	4	326	4	525	21	1.52
330	3	336	3	557	51	1.47	2	334	2	530	57	1.43	5	335	5	546	48	1.45
340	.	.	.	.	.	.	6	346	6	587	33	1.42	6	346	6	587	33	1.42
350	5	355	5	650	51	1.45	2	354	2	665	49	1.50	7	355	7	654	47	1.46
360	3	364	3	700	17	1.46	3	363	3	673	38	1.41	6	363	6	687	30	1.43
370	5	375	5	712	34	1.35	8	376	8	773	37	1.45	13	376	13	749	46	1.41
380	8	384	8	789	68	1.39	10	385	10	840	40	1.47	18	385	18	817	59	1.43
390	6	396	6	867	39	1.40	10	395	10	883	33	1.44	16	395	16	877	35	1.42
400	1	403	1	870	.	1.33	10	403	10	895	66	1.37	11	403	11	893	63	1.37
410	.	.	.	.	.	.	10	414	10	960	59	1.35	10	414	10	960	59	1.35
420	1	423	1	900	.	1.19	3	425	3	1110	17	1.45	4	424	4	1058	106	1.38
430	.	.	.	.	.	.	1	435	1	1180	.	1.43	1	435	1	1180	.	1.43
440	1	449	1	1120	.	1.24	1	443	1	1080	.	1.24	2	446	2	1100	28	1.24
460	.	.	.	.	.	.	2	466	2	1305	35	1.29	2	466	2	1305	35	1.29
TOTAL/MEAN	39	362	39	693	204	1.40	77	377	77	791	241	1.42	116	372	116	758	233	1.41

Table 95. Length and weight data, by 10mm fork length intervals, for white sucker caught by gill nets in Quigly Lake, 1981.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
220	1	223	1	125	.	1.13	1	225	1	125	.	1.10	2	224	2	125	0	1.11
250	.	.	.	.	.	.	1	255	1	225	.	1.36	1	255	1	225	.	1.36
260	.	.	.	.	.	.	1	262	1	250	.	1.39	1	262	1	250	.	1.39
270	.	.	.	.	.	.	2	272	2	263	18	1.31	2	272	2	263	18	1.31
280	.	.	.	.	.	.	2	285	2	318	11	1.38	2	285	2	318	11	1.38
300	.	.	.	.	.	.	2	301	2	413	18	1.52	2	301	2	413	18	1.52
310	.	.	.	.	.	.	2	316	2	388	53	1.23	2	316	2	388	53	1.23
320	2	324	2	500	0	1.48	.	.	.	.	.	.	2	324	2	500	0	1.48
330	2	332	2	525	0	1.43	3	336	3	520	26	1.37	5	334	5	522	19	1.40
340	6	346	6	579	33	1.40	3	345	3	567	38	1.39	9	345	9	575	33	1.40
350	6	354	6	604	33	1.36	8	354	8	628	28	1.42	14	354	14	618	32	1.40
360	8	363	8	654	54	1.36	3	365	3	600	75	1.23	11	364	11	640	62	1.33
370	3	375	3	708	104	1.34	6	374	6	742	26	1.42	9	374	9	731	58	1.39
380	7	384	7	746	49	1.32	2	384	2	800	0	1.42	9	384	9	758	48	1.34
390	1	398	1	850	.	1.35	5	397	5	850	94	1.36	6	397	6	850	84	1.36
400	1	406	1	850	.	1.27	3	401	3	817	29	1.27	4	402	4	825	29	1.27
410	.	.	.	.	.	.	4	415	4	900	71	1.26	4	415	4	900	71	1.26
420	.	.	.	.	.	.	4	425	4	1050	79	1.36	4	425	4	1050	79	1.36
430	.	.	.	.	.	.	2	432	2	1125	71	1.40	2	432	2	1125	71	1.40
450	.	.	.	.	.	.	1	455	1	1250	.	1.33	1	455	1	1250	.	1.33
TOTAL/MEAN	37	358	37	637	130	1.36	55	362	55	682	258	1.36	92	361	92	664	216	1.36

Table 96. Length and weight data, by 10mm fork length intervals, for lake whitefish caught by gill nets in Quigly Lake, 1978.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
270	1	272	1	310	.	1.54	.	.	.	.	.	.	2	274	2	303	11	1.48
280	1	280	1	315	.	1.43	.	.	.	.	.	.	1	280	1	315	.	1.43
300	2	304	2	425	21	1.51	2	303	2	408	11	1.46	4	304	4	416	17	1.49
310	.	.	.	.	.	.	1	315	1	500	.	1.60	1	315	1	500	.	1.60
320	1	323	1	525	.	1.56	.	.	.	.	.	.	1	323	1	525	.	1.56
330	3	334	3	562	42	1.51	3	332	3	565	9	1.54	6	333	6	563	27	1.53
340	4	345	4	629	46	1.53	3	343	3	640	20	1.58	7	344	7	634	35	1.55
350	3	357	3	678	43	1.49	9	354	9	655	38	1.48	12	354	12	661	39	1.48
360	10	364	10	736	42	1.52	15	365	15	725	43	1.49	25	365	25	729	42	1.50
370	8	374	8	785	37	1.50	7	375	7	789	44	1.50	15	374	15	787	39	1.50
380	6	385	6	831	73	1.46	7	385	7	838	66	1.47	13	385	13	835	67	1.46
390	5	394	5	867	42	1.42	4	392	4	853	55	1.42	9	393	9	861	45	1.42
400	2	402	2	923	60	1.42	2	409	2	930	85	1.36	4	406	4	926	60	1.39
410	2	413	2	995	49	1.41	.	.	.	.	.	.	2	413	2	995	49	1.41
420	.	.	.	.	.	.	2	423	2	1150	35	1.52	2	423	2	1150	35	1.52
TOTAL/MEAN	48	364	48	730	159	1.49	55	366	55	739	143	1.49	104	364	104	731	155	1.49

Table 97. Length and weight data, by 10mm fork length intervals, for lake whitefish caught by gill nets in Quigly Lake, 1980.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
310	1	314	1	530	.	1.71	.	.	.	.	.	.	1	314	1	530	.	1.71
320	1	322	1	560	.	1.68	2	327	2	565	21	1.62	3	325	3	563	15	1.64
330	.	.	.	.	.	.	2	335	2	620	28	1.66	2	335	2	620	28	1.66
340	4	345	4	648	26	1.57	9	344	9	650	21	1.59	13	345	13	649	22	1.59
350	3	356	3	713	12	1.59	12	354	12	684	61	1.54	15	354	15	690	56	1.55
360	8	366	8	746	32	1.52	9	364	9	698	43	1.45	17	365	17	721	45	1.48
370	6	376	6	775	50	1.46	11	374	11	774	44	1.48	17	374	17	774	45	1.48
380	8	384	8	770	58	1.36	10	385	10	812	37	1.42	18	385	18	793	51	1.39
390	4	396	4	925	83	1.49	1	395	1	800	.	1.30	5	396	5	900	91	1.45
400	1	406	1	950	.	1.42	1	404	1	850	.	1.29	2	405	2	900	71	1.35
430	1	435	1	1140	.	1.38	.	.	.	.	.	.	1	435	1	1140	.	1.38
TOTAL/MEAN	37	372	37	767	119	1.49	57	363	57	719	81	1.50	94	367	94	738	100	1.50

Table 98. Length and weight data, by 10mm fork length intervals, for lake whitefish caught by gill nets in Quigly Lake, 1981.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
170	1	174	1	69	.	1.31	.	.	.	.	.	.	1	174	1	69	.	1.31
180	.	.	.	.	.	.	2	183	2	85	4	1.38	2	183	2	85	4	1.38
190	1	197	1	140	.	1.83	.	.	.	.	.	.	1	197	1	140	.	1.83
200	1	200	1	103	.	1.29	.	.	.	.	.	.	1	200	1	103	.	1.29
230	1	236	1	175	.	1.33	.	.	.	.	.	.	1	236	1	175	.	1.33
250	.	.	.	.	.	.	1	254	1	260	.	1.59	1	254	1	260	.	1.59
270	.	.	.	.	.	.	1	278	1	360	.	1.68	1	278	1	360	.	1.68
280	1	280	1	350	.	1.59	.	.	.	.	.	.	1	280	1	350	.	1.59
290	1	297	1	400	.	1.53	1	298	1	400	.	1.51	2	298	2	400	0	1.52
300	1	302	1	425	.	1.54	1	302	1	460	.	1.67	2	302	2	443	25	1.61
310	2	315	2	520	42	1.67	.	.	.	.	.	.	2	315	2	520	42	1.67
320	3	323	3	525	25	1.56	2	322	2	503	39	1.51	5	322	5	516	29	1.54
330	3	337	3	600	43	1.58	9	334	9	594	44	1.60	12	334	12	595	42	1.59
340	11	345	11	629	40	1.53	10	344	10	619	43	1.52	21	345	21	624	41	1.53
350	8	354	8	694	48	1.56	9	354	9	664	55	1.50	17	354	17	678	52	1.53
360	8	364	8	688	30	1.42	11	364	11	717	58	1.48	19	364	19	705	50	1.46
370	9	374	9	746	70	1.43	11	375	11	739	64	1.40	20	374	20	742	65	1.41
380	7	384	7	784	66	1.39	4	384	4	781	66	1.38	11	384	11	783	63	1.39
390	2	394	2	908	117	1.49	.	.	.	.	.	.	2	394	2	908	117	1.49
400	1	400	1	900	.	1.41	.	.	.	.	.	.	1	400	1	900	.	1.41
410	1	415	1	875	.	1.22	.	.	.	.	.	.	1	415	1	875	.	1.22
TOTAL/MEAN	62	347	62	643	182	1.49	62	346	62	634	151	1.49	124	346	124	638	167	1.49

Table 99. Length and weight data, by 10mm fork length intervals, for cisco caught by gill nets in Quigly Lake, 1980.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
230	.	.	.	.	.	.	1	236	1	200	.	1.52	1	236	1	200	.	1.52
250	1	257	1	300	.	1.77	1	255	1	270	.	1.63	2	256	2	285	21	1.70
300	3	303	3	483	21	1.74	.	.	.	.	.	.	3	303	3	483	21	1.74
310	1	318	1	480	.	1.49	1	317	1	500	.	1.57	2	318	2	490	14	1.53
320	5	323	5	522	33	1.56	2	326	2	520	28	1.51	7	323	7	521	30	1.54
330	7	334	7	563	29	1.51	8	334	8	550	28	1.48	15	334	15	556	28	1.50
340	2	347	2	615	7	1.48	4	345	4	550	29	1.35	6	345	6	572	41	1.39
350	3	354	3	600	20	1.35	3	353	3	617	29	1.40	6	354	6	608	24	1.37
360	3	364	3	607	21	1.26	2	362	2	635	78	1.35	5	363	5	618	44	1.29
TOTAL/MEAN	25	331	25	545	72	1.51	22	331	22	533	108	1.45	47	331	47	540	89	1.48

Table 100. Length and weight data, by 10mm fork length intervals, for cisco caught by gill nets in Quigly Lake, 1981.

LENGTH INTERVAL (mm)	MALES						FEMALES						COMBINED					
	LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)				LENGTH (mm)		WEIGHT (g)			
	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K	N	MEAN	N	MEAN	SD	K
170	1	170	1	69	.	1.40	.	.	.	.	.	.	1	170	1	69	.	1.40
180	.	.	.	.	.	.	4	186	4	82	3	1.27	4	186	4	82	3	1.27
220	.	.	.	.	.	.	3	225	3	158	14	1.40	3	225	3	158	14	1.40
230	1	238	1	225	.	1.67	1	239	1	240	.	1.76	2	239	2	233	11	1.71
240	1	242	1	225	.	1.59	1	245	1	240	.	1.63	2	244	2	233	11	1.61
250	.	.	.	.	.	.	3	252	3	225	25	1.41	3	252	3	225	25	1.41
280	3	284	3	333	14	1.45	.	.	.	.	.	.	3	284	3	333	14	1.45
290	1	290	1	380	.	1.56	1	296	1	450	.	1.74	2	293	2	415	49	1.65
300	4	306	4	406	31	1.43	7	304	7	419	26	1.49	11	304	11	415	27	1.47
310	3	315	3	450	25	1.44	9	316	9	458	22	1.46	12	315	12	456	22	1.45
320	10	325	10	510	41	1.48	16	323	16	497	36	1.47	26	324	26	502	38	1.47
330	14	335	14	539	29	1.43	17	334	17	500	43	1.34	31	335	31	518	42	1.38
340	10	345	10	549	40	1.34	7	344	7	543	55	1.34	17	345	17	546	45	1.34
350	7	353	7	559	58	1.27	7	352	7	571	27	1.31	14	353	14	565	44	1.29
360	1	365	1	625	.	1.29	2	364	2	588	88	1.22	3	364	3	600	66	1.24
370	2	373	2	655	64	1.27	.	.	.	.	.	.	2	373	2	655	64	1.27
TOTAL/MEAN	58	326	58	497	109	1.41	78	312	78	447	135	1.40	136	318	136	469	127	1.40

Table 101. Length-weight relationships, $\log_{10}W = a + b(\log_{10} L)$, for walleye caught by gill net in Wapun Lake, 1977-1986.

Year	Sex	n	Y-intercept (a)	Slope (b)	r^2
1977	M	65	-5.1404	3.0663	0.9694
	F	98	-5.2702	3.1103	0.9949
	Combined	188	-5.3180	3.1308	0.9961
1979	M	776	-4.8353	2.9351	0.9662
	F	885	-4.9452	2.9786	0.9786
	Combined	1663	-4.9075	2.9636	0.9741
1980	M	865	-5.1841	3.0909	0.9613
	F	813	-5.2028	3.0971	0.9654
	Combined	1688	-5.3657	3.1629	0.9668
1981	M	35	-5.5857	3.2501	0.9842
	F	51	-5.4899	3.2116	0.9889
	Combined	86	-5.2247	3.2247	0.9880
1982	M	35	-5.3948	3.1664	0.9922
	F	33	-5.5947	3.2384	0.9918
	Combined	68	-5.4821	3.1973	0.9910
1986	M	25	-5.0809	3.0302	0.9973
	F	29	-5.2267	3.0921	0.9905
	Combined	54	-5.1645	3.0657	0.9946

Table 102 . Length-weight relationships, $\log_{10}W = a + b(\log_{10} L)$, for northern pike caught by gill net in Wapun Lake, 1977-1982.

Year	Sex	n	Y-intercept (a)	Slope (b)	r^2
1977	Combined	52	-5.9599	3.2934	0.9742
1979	M	717	-4.7623	2.8527	0.9333
	F	497	-4.8107	2.8689	0.9360
	Combined	1216	-4.7811	2.8589	0.9365
1980	M	509	-4.8845	2.8491	0.9560
	F	228	-5.1545	3.0013	0.9797
	Combined	737	-4.9972	2.9434	0.9673
1981	M	33	-4.9386	2.9342	0.9600
	F	34	-4.7774	2.8696	0.9559
	Combined	67	-4.8392	2.8947	0.9568
1982	M	40	-5.8286	3.2527	0.9782
	F	24	-6.9771	3.6601	0.9782
	Combined	64	-6.0860	3.3446	0.9749

Table 103. Length-weight relationships, $\log_{10}W = a + b(\log_{10} L)$, for white sucker caught by gill net in Wapun Lake, 1977-1986.

Year	Sex	n	Y-intercept (a)	Slope (b)	r^2
1977	Combined	67	-5.4403	3.2404	0.9941
1979	M	823	-4.7861	2.9760	0.9656
	F	1123	-4.7326	2.9559	0.9735
	Combined	1978	-4.8098	2.9855	0.9728
1980	M	1039	-4.6645	2.9356	0.9530
	F	1101	-4.5608	2.8970	0.9730
	Combined	2141	-4.6207	2.9194	0.9650
1981	M	85	-4.9469	3.0487	0.9801
	F	120	-4.5935	2.9095	0.9792
	Combined	205	-4.7312	2.9635	0.9792
1982	M	33	-5.4357	3.2257	0.8980
	F	26	-5.2748	2.1629	0.9810
	Combined	59	-5.4068	3.2143	0.9252
1986	M	26	-5.9504	3.4367	0.9946
	F	17	-4.2612	2.7798	0.9636
	Combined	43	-5.7638	3.3613	0.9915

Table 104. Length-weight relationships, $\log_{10}W = a + b(\log_{10} L)$, for walleye caught by gill net in Home Lake, 1977-1982.

Year	Sex	n	Y-intercept (a)	Slope (b)	r^2
1977	M	111	-5.2075	3.0897	0.9816
	F	205	-5.1153	3.0509	0.9875
	Combined	365	-5.2724	3.1124	0.9944
1978	M	56	-5.0587	3.0335	0.9687
	F	43	-5.6821	3.2739	0.9811
	Combined	104	-5.0846	3.0437	0.9704
1979	M	361	-5.2173	3.0967	0.9546
	F	347	-5.3044	3.1299	0.9746
	Combined	709	-5.2549	3.1110	0.9561
1980	M	216	-5.3363	3.1448	0.9680
	F	185	-5.3007	3.1280	0.9479
	Combined	401	-5.3123	3.1340	0.9561
1981	M	43	-5.5341	3.2204	0.9872
	F	63	-5.6917	3.2841	0.9870
	Combined	109	-5.3047	3.1273	0.9525
1982	M	45	-5.2003	3.0927	0.9866
	F	42	-5.1524	3.0741	0.9765
	Combined	87	-5.1776	3.0839	0.9820

Table 105. Length-weight relationships, $\log_{10}W = a + b(\log_{10} L)$, for northern pike caught by gill net in Home Lake, 1977-1982.

Year	Sex	n	Y-intercept (a)	Slope (b)	r^2
1977	Combined	103	-4.7525	2.8411	0.9461
1979	M	78	-5.1874	3.0080	0.9630
	F	92	-5.1149	2.9790	0.9400
	Combined	170	-5.1259	2.9873	0.9480
1980	M	205	-5.4718	3.1228	0.9597
	F	206	-5.4798	3.1175	0.9808
	Combined	411	-5.4463	3.1089	0.9688
1981	M	110	-5.2603	3.0428	0.9688
	F	95	-4.9278	2.9074	0.8831
	Combined	236	-5.0450	2.9554	0.9323
1982	M	67	-5.3207	3.0520	0.9789
	F	78	-6.0027	3.3032	0.9506
	Combined	145	-5.6923	3.1903	0.9634

Table 106. Length-weight relationships, $\log_{10}W = a + b(\log_{10} L)$, for white sucker caught by gill net in Home Lake, 1977-1982.

Year	Sex	n	Y-intercept (a)	Slope (b)	r^2
1977	Combined	171	-4.6477	2.9155	0.9675
1978	M	16	-5.1107	3.1076	0.9674
	F	30	-5.4947	3.2601	0.9904
	Combined	47	-5.4162	3.2289	0.9868
1979	M	338	-4.4375	2.8328	0.9313
	F	416	-4.4201	2.8278	0.9307
	Combined	763	-4.4832	2.8516	0.9362
1980	M	494	-4.5866	2.8993	0.9666
	F	541	-4.4518	2.8452	0.9513
	Combined	1039	-4.5180	2.8715	0.9584
1981	M	51	-4.7127	2.9405	0.9728
	F	38	-4.6539	2.9198	0.9721
	Combined	90	-4.7596	2.9598	0.9738
1982	M	65	-4.7495	2.9703	0.9726
	F	79	-4.7247	2.9666	0.9789
	Combined	149	-4.9073	3.0346	0.9848

Table 107. Length-weight relationships, $\log_{10}W = a + b(\log_{10} L)$, for yellow perch caught by gill net in Home Lake, 1979-1981.

Year	Sex	n	Y-intercept (a)	Slope (b)	r^2
1979	M	30	-5.2184	3.1556	0.9802
	F	46	-4.9047	3.0217	0.9773
	Combined	76	-5.0077	3.0656	0.9779
1980	M	36	-5.0301	3.0800	0.9563
	F	74	-5.2163	3.1577	0.9396
	Combined	110	-5.1681	3.1377	0.9444
1981	M	101	-5.5041	3.2755	0.9947
	F	110	-5.4612	3.2544	0.9939
	Combined	211	-5.4833	3.2653	0.9943

Table 108. Length-weight relationships, $\log_{10}W = a + b(\log_{10} L)$, for lake whitefish caught by gill net in Home Lake, 1980 and 1982.

Year	Sex	n	Y-intercept (a)	Slope (b)	r^2
1980	M	29	-5.1005	3.1214	0.9854
	F	37	-4.8545	3.0114	0.9809
	Combined	66	-4.9654	3.0628	0.9799
1982	M	26	-5.7715	3.3803	0.9804
	F	24	-5.7509	3.3784	0.9875
	Combined	50	-5.8067	3.3969	0.9836

Table 109. Length-weight relationships, $\log_{10}W = a + b(\log_{10} L)$, for walleye caught by gill net in Demarch Lake, 1977-1982.

Year	Sex	n	Y-intercept (a)	Slope (b)	r^2
1977	M	34	-4.5683	2.8411	0.9500
	F	129	-4.7549	2.9147	0.9756
	Combined	163	-4.7389	2.9082	0.9722
1978	M	14	-4.9759	2.9930	0.9844
	F	38	-4.8961	2.9610	0.9146
	Combined	52	-4.9082	2.9659	0.9326
1979	M	54	-5.3035	3.1337	0.9568
	F	136	-5.3184	3.1376	0.9851
	Combined	190	-5.2938	3.1286	0.9770
1980	M	50	-5.5150	3.2141	0.9830
	F	146	-5.1283	3.0626	0.9523
	Combined	196	-5.2050	3.0923	0.9604
1981	M	58	-5.4291	3.1785	0.9723
	F	66	-5.4643	3.1918	0.9830
	Combined	124	-5.4481	3.1856	0.9783
1982	M	27	-5.5326	3.2229	0.9724
	F	56	-5.6751	3.2715	0.9727
	Combined	83	-5.5772	3.2357	0.9720

Table 110. Length-weight relationships, $\log_{10}W = a + b(\log_{10} L)$, for northern pike caught by gill net in Demarch Lake, 1977-1982.

Year	Sex	n	Y-intercept (a)	Slope (b)	r^2
1977	Combined	51	-5.5435	3.1370	0.9864
1979	M	25	-5.3467	3.0629	0.9410
	F	25	-5.1514	2.9920	0.9770
	Combined	50	-5.2378	3.0229	0.9684
1980	M	24	-5.1549	2.9928	0.9526
	F	31	-5.4957	3.1240	0.9873
	Combined	55	-5.4096	3.0907	0.9785
1981	M	47	-5.7004	3.2041	0.9689
	F	67	-5.4142	3.0950	0.9300
	Combined	114	-5.5612	3.1508	0.9515
1982	M	46	-5.9310	3.2849	0.9772
	F	64	-6.1625	3.3636	0.9825
	Combined	110	-5.9415	3.2852	0.9828

Table 111. Length-weight relationships, $\log_{10}W = a + b(\log_{10} L)$, for white sucker caught by gill net in Demarch Lake, 1977-1982.

Year	Sex	n	Y-intercept (a)	Slope (b)	r^2
1977	Combined	72	-4.5785	2.8868	0.9474
1978	Combined	44	-4.6907	2.7590	0.8610
1979	M	61	-4.5269	2.8718	0.9428
	F	60	-4.8712	3.0089	0.9772
	Combined	121	-4.7620	2.9652	0.9650
1980	M	60	-4.7249	2.9525	0.9768
	F	86	-4.9651	3.0456	0.9619
	Combined	146	-4.8429	2.9984	0.9698
1981	M	43	-5.3146	3.1786	0.9951
	F	36	-5.2571	3.1571	0.9963
	Combined	79	-5.2798	3.1653	0.9958
1982	M	18	-5.8065	3.3740	0.9494
	F	19	-4.9192	3.0363	0.9398
	Combined	45	-5.1985	3.1405	0.9848

Table 112. Length-weight relationships, $\log_{10}W = a + b(\log_{10} L)$, for lake whitefish caught by gill net in Demarch Lake, 1977-1982.

Year	Sex	n	Y-intercept (a)	Slope (b)	r^2
1977	M	37	-5.4494	3.2547	0.9783
	F	42	-4.8824	3.0368	0.9693
	Combined	83	-5.3320	3.2081	0.9768
1979	M	46	-5.3703	3.2332	0.9398
	F	38	-5.8929	3.4340	0.9913
	Combined	84	-5.7688	3.3852	0.9818
1980	M	47	-5.4263	3.2383	0.9916
	F	40	-5.4305	3.2422	0.9952
	Combined	87	-5.4245	3.2386	0.9934
1982	M	18	-5.9985	3.4632	0.9958
	F	18	-5.6701	3.3396	0.9744
	Combined	41	-5.9733	3.4541	0.9915

Table 113. Length-weight relationships, $\log_{10}W = a + b(\log_{10} L)$, for walleye caught by gill net in Unger Lake, 1977, 1980 and 1986.

Year	Sex	n	Y-intercept (a)	Slope (b)	r^2
1977	M	48	-4.0216	2.6974	0.9383
	F	82	-4.6362	2.8661	0.9659
	Combined	136	-4.7678	2.9158	0.9696
1980	M	61	-4.6456	2.8770	0.9129
	F	60	-5.1951	3.0857	0.9731
	Combined	121	-5.0544	3.0333	0.9591
1986	M	17	-5.0789	3.0287	0.9924
	F	24	-4.7147	2.8862	0.9820
	Combined	41	-4.9238	2.9671	0.9888

Table 114. Length-weight relationships, $\log_{10}W = a + b(\log_{10} L)$, for fish species caught by gill net in Martin Lake, 1977.

Species	Sex	n	Y-intercept (a)	Slope (b)	r^2
Lake whitefish	Combined	81	-5.0656	3.0859	0.9803
Northern pike	Combined	45	-5.2525	3.0335	0.9820
Walleye	M	81	-5.3994	3.1670	0.9357
	F	99	-5.1533	3.0687	0.9653
	Combined	185	-5.1648	3.0749	0.9737

Table 115. Length-weight relationships, $\log_{10}W = a + b(\log_{10} L)$, for fish species caught by gill net in Martin Lake, 1980.

Species	Sex	n	Y-intercept (a)	Slope (b)	r^2
White sucker	M	13	-5.1797	3.1349	0.9864
	F	31	-4.7941	2.9837	0.9551
	Combined	44	-5.0528	3.0845	0.9802
Walleye	M	43	-4.9248	2.9834	0.9555
	F	68	-4.9450	2.9872	0.9731
	Combined	111	-4.8233	2.9419	0.9728

Table 116. Length-weight relationships, $\log_{10}W = a + b(\log_{10} L)$, for fish species caught by gill net in Quigly Lake, 1978.

Species	Sex	n	Y-intercept (a)	Slope (b)	r^2
White sucker	M	59	-4.5099	2.8648	0.8595
	F	120	-4.3144	2.7893	0.9355
	Combined	185	-4.4154	2.8280	0.9296
Lake whitefish	M	48	-4.3906	2.8292	0.9650
	F	55	-4.2142	2.7603	0.9084
	Combined	104	-4.4222	2.8414	0.9480
Walleye	M	58	-5.8592	3.3409	0.9674
	F	144	-5.2816	3.1087	0.9593
	Combined	203	-5.3636	3.1425	0.9582

Table 117. Length-weight relationships, $\log_{10}W = a + b(\log_{10} L)$, for fish species caught by gill net in Quigly Lake, 1980.

Species	Sex	n	Y-intercept (a)	Slope (b)	r^2
White sucker	M	39	-5.0651	3.0816	0.9700
	F	77	-4.5133	2.8697	0.9814
	Combined	116	-4.7266	2.9514	0.9759
Cisco	M	25	-1.9027	1.8401	0.8366
	F	22	-3.8614	2.6113	0.9433
	Combined	47	-3.1061	2.3148	0.8853
Lake whitefish	M	37	-2.7254	2.1814	0.8070
	F	57	-2.2125	1.9794	0.7254
	Combined	94	-2.5280	2.1034	0.7765
Walleye	M	51	-4.8740	2.9582	0.9614
	F	69	-4.8118	2.9324	0.9505
	Combined	120	-4.8255	2.9383	0.9568

Table 118. Length-weight relationships, $\log_{10} W = a + b(\log_{10} L)$, for fish species caught by gill net in Quigly Lake, 1981.

Species	Sex	n	Y-intercept (a)	Slope (b)	r^2
White sucker	M	37	-5.0757	3.0816	0.9366
	F	55	-4.9324	3.0248	0.9676
	Combined	92	-4.9619	3.0366	0.9606
Cisco	M	58	-4.1157	2.7060	0.9392
	F	78	-4.7342	2.9516	0.9577
	Combined	136	-4.5623	2.8831	0.9527
Lake whitefish	M	62	-4.6421	2.9258	0.9626
	F	62	-4.6456	2.9283	0.9571
	Combined	124	-4.6435	2.9269	0.9602
Walleye	M	17	-5.4854	3.2016	0.9527
	F	51	-5.1486	3.0657	0.9602
	Combined	68	-5.2787	3.0725	0.9605

Table 119. Data from female walleye captured in Wapun Lake, 1977 (unex-ploited population, developing ovaries), 1978 (unexploited, ripening) and 1981 (heavily exploited, ripening).

Date	Fork Length (mm)	Weight (g)	Age (yr+)	Ovary Weight (g)	Estimated Fecundity
26 Aug. 1977	500	1385	17	43.6	61 095
22 Sept. 1977	452	775	-	40.4	46 720
22 Sept. 1977	381	475	-	21.3	35 048
23 Sept. 1977	422	550	-	28.3	29 147
23 Sept. 1977	394	475	-	20.8	32 044
23 Sept. 1977	375	375	-	13.0	24 674
23 Sept. 1977	406	510	-	21.0	33 475
26 Oct. 1977	402	730	10	41.3	38 638
26 Oct. 1977	444	895	11	38.9	30 266
26 Oct. 1977	432	780	9	43.4	34 266
26 Oct. 1977	433	855	10	44.4	44 131
2 Mar. 1978	405	600	-	44.6	28 703
23 Apr. 1978	442	905	12	99.7	46 637
23 Apr. 1978	443	990	12	98.1	34 034
27 Apr. 1978	440	925	11	105.7	45 132
27 Apr. 1978	471	1225	12	94.7	36 791
10 May 1978	456	1115	14	-	39 527
1 May 1981	478	1510	15	230.5	78 450
1 May 1981	405	820	7	95.4	44 750

Table 120. Data from ripe, female walleye captured in Home Lake, 1978 (unexploited population) and 1981 (lightly exploited population).

Date	Fork Length (mm)	Weight (g)	Age (yr+)	Ovary Weight (g)	Estimated Fecundity
5 May 1978	490	1280	12	188.8	51 590
5 May 1978	435	1000	10	134.1	39 358
5 May 1978	445	1050	12	136.9	34 820
15 May 1978	383	620	7	98.5	34 260
6 May 1981	423	920	11	142.8	46 941
6 May 1981	369	660	9	74.1	25 556
8 May 1981	374	760	10	85.8	27 492
8 May 1981	444	1070	9	146.2	41 684
8 May 1981	373	680	7	70.2	17 150
8 May 1981	484	1460	15	268.1	63 592
8 May 1981	437	950	11	137.6	33 256
9 May 1981	410	870	10	132.7	32 295
10 May 1981	409	820	10	110.0	29 900
11 May 1981	396	800	9	128.8	33 500
11 May 1981	382	730	8	64.3	18 554
11 May 1981	385	750	9	91.7	25 368
12 May 1981	421	860	10	125.7	45 301
12 May 1981	450	1050	15	114.6	24 750
12 May 1981	395	750	9	100.4	26 051
12 May 1981	412	890	15	149.6	30 957

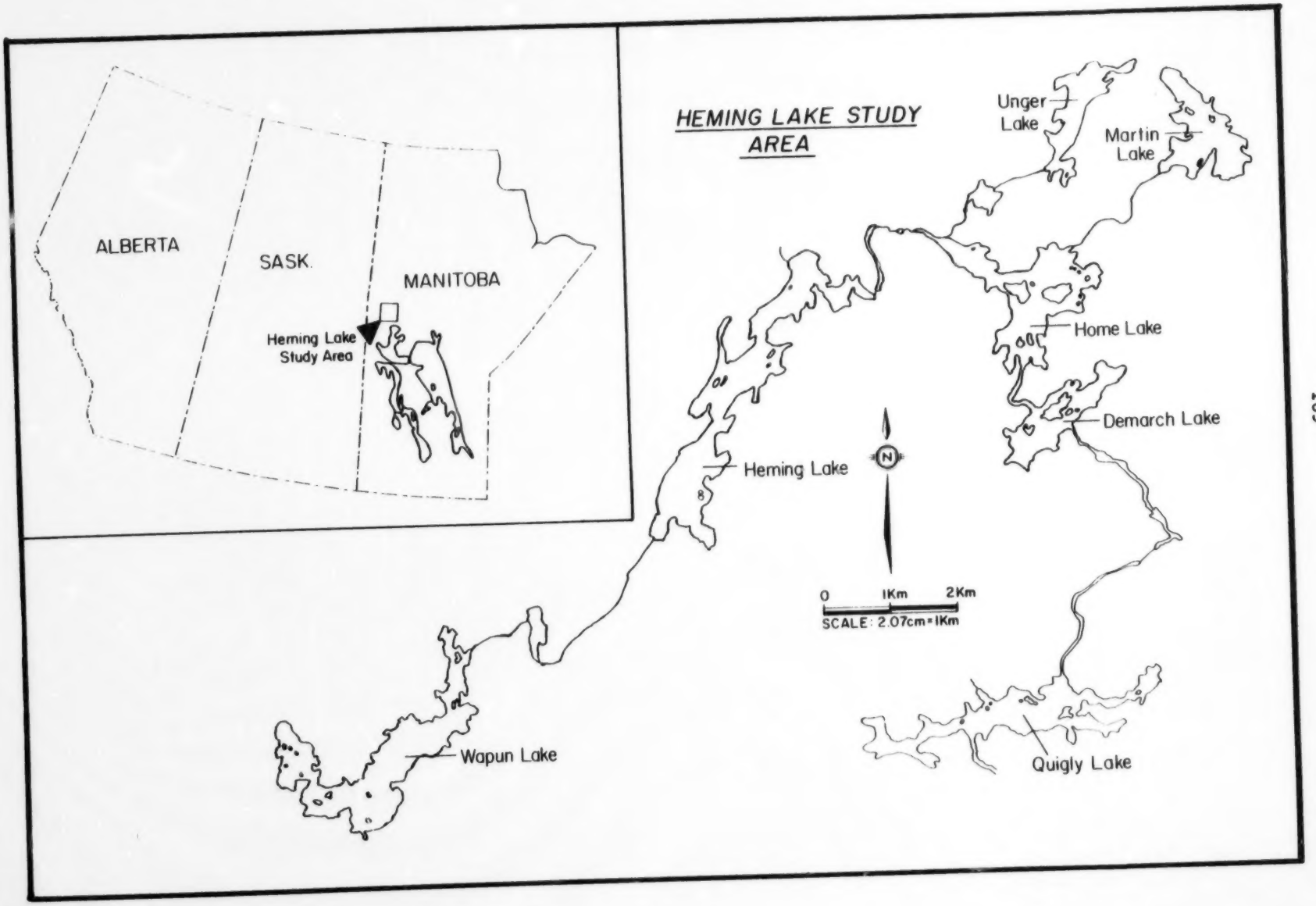

Fig.1. Heming Lake study area.